LC-40LE732
LC-46LE732

1st Edition

SHARP

SERVICE MANUAL

Issued: 20th April 2012

LED LCD COLOUR TELEVISION

Wi-Fi & 3D Ready / DVB-T/ C/ S/ S2 PAL B/G / SECAM B/G, D/K, L/L' SYSTEM COLOUR TELEVISION

MODELS:
LC-40LE732E
LC-46LE732E

In the interests of user safety (required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

CONTENTS

SHARP CORPORATION

ELECTRICAL SPECIFICATIONS

Specifications

Item			40" LCD COLOUR TV, Models: LC-40LE730E, LC-40LE732E	46" LCD COLOUR TV, Models: LC-46LE730E, LC-46LE732E
LCD Panel			40" BLACK TFT LCD LED TV	46" BLACK TFT LCD LED TV
Resolution			6.220.800 dots (1.920 x 1.080 pixels)	
Video Colour System			PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60	
TV Functions	TV Standard	Analogue	CCIR (B/G, I , D/K, L/L')	
		Digital	DVB-T (2K/8K OFDM)(H.264), DVB-C, DVB-S/S2 (LE732 only)	
	Receiving Channel	VHF/UHF	E2–E69 ch, F2–F10 ch, I21–I69 ch, IR A–IR J ch (Digital: IR A ch–E69 ch)	
		CATV	Hyper-band, S1–S41 ch	
	TV-Tuning System		Auto Preset 999 ch: non-Nordic / 9999 ch: Nordic (ATV: 99 ch), Auto Label, Auto Sort	
	STEREO / BILINGUAL		NICAM/A2	
Viewing angles			H: 176°, V: 176°	
Audio Amplifier			10 W + 5 W + 5 W	
Speaker			Woofer Ø 70 mm, tweeter (Ø 11 mm) x 2	
Terminals	TV Antenna		UHF/VHF 75 Ω Din type (Analogue & Digital)	
	SERVICE		Ø 3.5 mm jack	
	SCART		SCART (AV input, RGB input, TV output, Y/C input)	
	PC INPUT		VGA (D-Sub 15pin), Ø 3.5 mm jack (shared with HDMI)	
	COMPONENTS		COMPONENT IN: Y/PB(CB)/PR(CR), RCA (AUDIO R/L)	
	HDMI1		HDMI, Ø 3.5 mm jack (shared with PC INPUT), ARC, 3D.	
	HDMI2		HDMI, Ø 3.5 mm jack (shared with PC INPUT), 3D.	
	HDMI3		HDMI, Ø 3.5 mm jack (shared with PC INPUT), 3D.	
	HDMI4 (Rear)		HDMI, Ø 3.5 mm jack (shared with PC INPUT), 3D.	
	USB 1 (USB REC / Media Player / HDD Ready / 3D Glasses charge)		USB 2.0 HOST (A Type)	
	USB 2 (Media Player / HDD Ready 3D Glasses charge)		USB 2.0 HOST (A type)	
	USB 3 (WIFI)		USB 2.0 HOST (A type) (Wi-Fi use only)	
	ETHERNET (10/100)		Network connector	
	AV		RCA connector (AV input)	
	SPDIF OUT		Optical S/PDIF digital audio output.	
	C. I. (Common Interface)		EN50221, R206001, CI+ specification	
	Headphones		Ø 3.5 mm jack (Audio output)	
OSD language			Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Russian, Slovak, Slovene, Spanish, Swedish, Turkish, Ukrainian, Byelorussian, Romanian, Croatian, Serbian.	
Power Requirement			AC 220–240 V, 50 Hz	
Power Consumption (IEC62087 Method)			102W (0.21 W Standby)	124W (0.21 W Standby)
Weight			12.2 Kg (Without stand), 14.4 Kg (With stand)	16.7Kg (Without stand), 19.7 Kg (With stand)
Operating Temperature			0 °C to +40 °C	

Environmental Specifications

		40"	46"
*1 On-Mode (W) (HOME MODE)		48 W	60 W
*2 Energy-Save-Mode (W)	ECO	39 W	55 W
*3 Standby-Mode (W)		0.21 W	0.21 W
*4 Off Mode (W)		0.16 W	0.16 W
*5 Annual Energy Consumption (kWh)		70 kWh	88 kWh
*6 Annual Energy Consumption Energy-Save-Mode (kWh)	ECO	57 kWh	80 kWh

***1** Measured according to IEC 62087 Ed. 2.
***2** For further information about the Energy Save function, please see related pages in this operation manual.
***3** Measured according to IEC 62301 Ed. 1.
***4** Measured according to IEC 62301 Ed. 1.
***5** Annual energy consumption is calculated on the basis of the On-Mode (HOME MODE) power consumption, watching TV 4 hours a day, 365 days a year.
***6** Annual energy consumption is calculated on the basis of the Energy-Save-Mode power consumption, watching TV 4 hours a day, 365 days a year.

NOTE
- The power consumption of On-Mode varies depending on the images the TV displays.

IMPORTANT SERVICE SAFETY PRECAUTION

Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

> **CAUTION**: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE F101 (T4 AH / 250V)

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

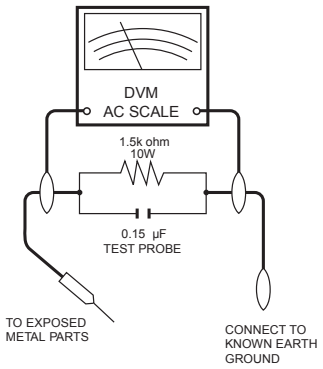
• Plug the AC cord directly into a 220~240 volt AC outlet. (Do not use an isolation transformer for this test).

•Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15μF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.

- •A true RMS reading multimeter should be used for this test, especially where the equipment uses a switch mode power supply which may result in very non-sinusoidal leakage current.
- •Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 1.05V peak (this corresponds to 0.7 mA. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠".

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

PRECAUTIONS FOR USING LEAD-FREE SOLDER

1 Employing lead-free solder

"ALL PWB" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.
Example:

Indicates lead-free solder of tin, silver and copper.

Indicates lead-free solder of tin, silver and nickel.

2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.
As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3 Soldering

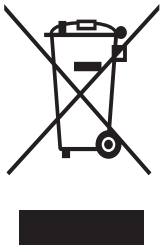
As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.
Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.
If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.
When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing.

Part No.	★	Description	Code
ZHNDAi123250E	J	ϕ0.3mm 250g(1roll)	BL
ZHNDAi126500E	J	ϕ0.6mm 500g(1roll)	BK
ZHNDAi12801KE	J	ϕ1.0mm 1kg(1roll)	BM

END OF LIFE DISPOSAL



Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private households)

1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.
Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.
*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

B. Information on Disposal for Business Users

1. In the European Union

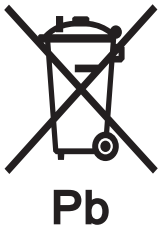
If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.



The battery supplied with this product contains traces of Lead.

For EU: The crossed-out wheeled bin implies that used batteries should not be put to the general household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation. Please contact your local authority for details on the collection and recycling schemes.

For Switzerland: The used battery is to be returned to the selling point.

For other non-EU countries: Please contact your local authority for correct method of disposal of the used battery.

OPERATION MANUAL

Remote control unit

1 TV⏻ (Standby/On) (Page 10)

2 ATV
Access conventional analogue TV mode.

DTV
Access digital TV mode.

SAT
Access satellite mode.

RADIO
DTV/SAT: Switch between radio and data mode.
- When only data broadcasting (no radio broadcasting) is transmitted by DVB, the radio broadcasting will be skipped.

3 HDMI CEC buttons (Pages 29 and 30)

4 USB REC (Pages 11, 20, 34 and 35)
Record a programme you are watching.

5 TIME SHIFT
Not used.

6 Numeric buttons 0–9
Set the channel. Enter desired numbers. Set the page in teletext mode.
- When the five Nordic countries (Sweden, Norway, Finland, Denmark or Iceland) are selected in the country setting from initial auto installation (Page 9), DTV services are four digits. When another country is selected, DTV services are three digits.

7 ⮌ (Flashback)
Return to the previously selected channel or external input.

8 I/II/I+II (Sound mode) (Page 20)
Select a sound multiplex mode.

Picture format (Page 26)
Change between different picture formats.

9 (Mute)
TV sound on/off.

10 +/– (Volume)
Increase/decrease TV volume.

11 MENU
"Menu" screen on/off.

12 3D (Page 36)
Select between 3D and 2D image viewing.

13 ▲/▼/◀/▶ (Cursor)
Select a desired item.
USB REC/Media Player/Home Media:
◀◀ / ▶▶
Rewind and fast forward.
⏮ / ⏭
Rewind and forward in units of 5 minutes.

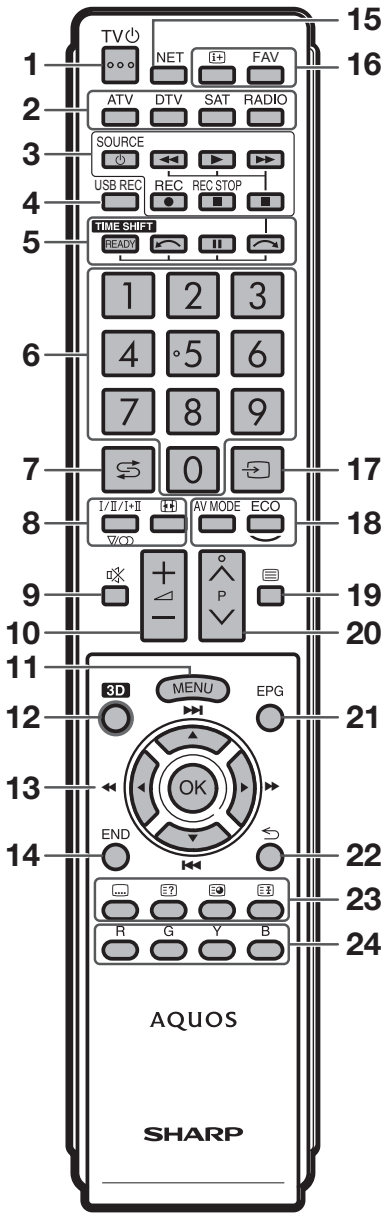
OK
Execute a command.
ATV/DTV/SAT: Display "CH list" when no other "Menu" screen is running.

14 END
ATV/DTV/SAT: Exit the "Menu" screen.

15 NET
Access "Connected TV" mode. (Page 31)

16 Channel information (Page 25)
Display the station information (channel number, signal, etc.) on the screen.

FAV
Shows the favourite channels list.



17 Source List (Page 10)
Select an input source.

18 AV MODE (Page 19)
Select audio/video settings.

ECO

On/Off (Page 28)
Select "Power save" setting.

19 Teletext (Page 12)
ATV: Display analogue teletext.
DTV/SAT: Select MHEG-5 or teletext for DTV/SAT.

20 P∧/∨
ATV/DTV/SAT: Select the TV channel.
NET: Scrolls pages up/down.

21 EPG (Page 11)
DTV/SAT: Display the EPG screen.

22 ⮌ Return
ATV/DTV/SAT: Return to the previous "Menu" screen.
NET: Return to the previous page (This may not function for some services).

23 Buttons for useful operations

Subtitle (Pages 10, 12 and 24)
Switch subtitle languages on/off.

Reveal hidden teletext (Page 12)

Subpage (Page 12)

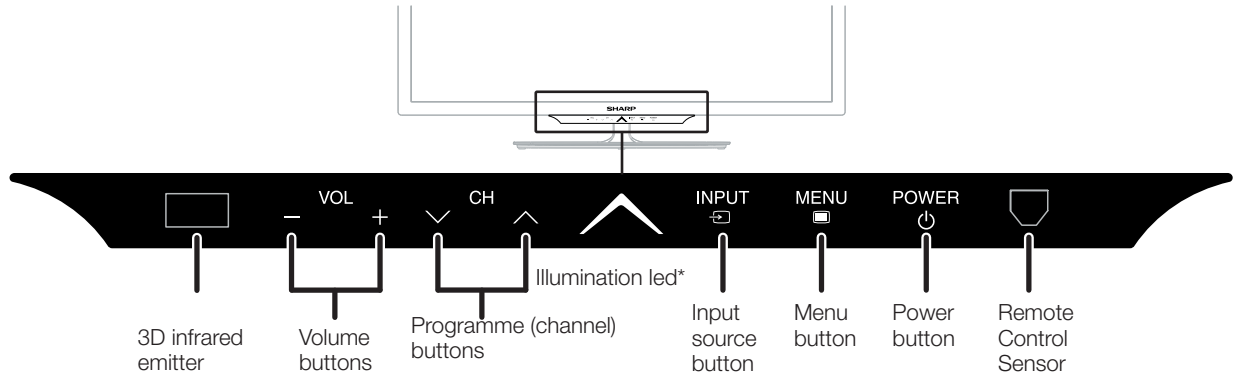
Freeze/Hold (Page 12)
Teletext: Stop updating teletext pages automatically or release the hold mode.

24 R/G/Y/B Colour buttons
The coloured buttons are correspondingly used to select the coloured items on the screen (e.g., EPG, MHEG-5, teletext).

Important information:
Satellite services are only available for the LE732 model series.

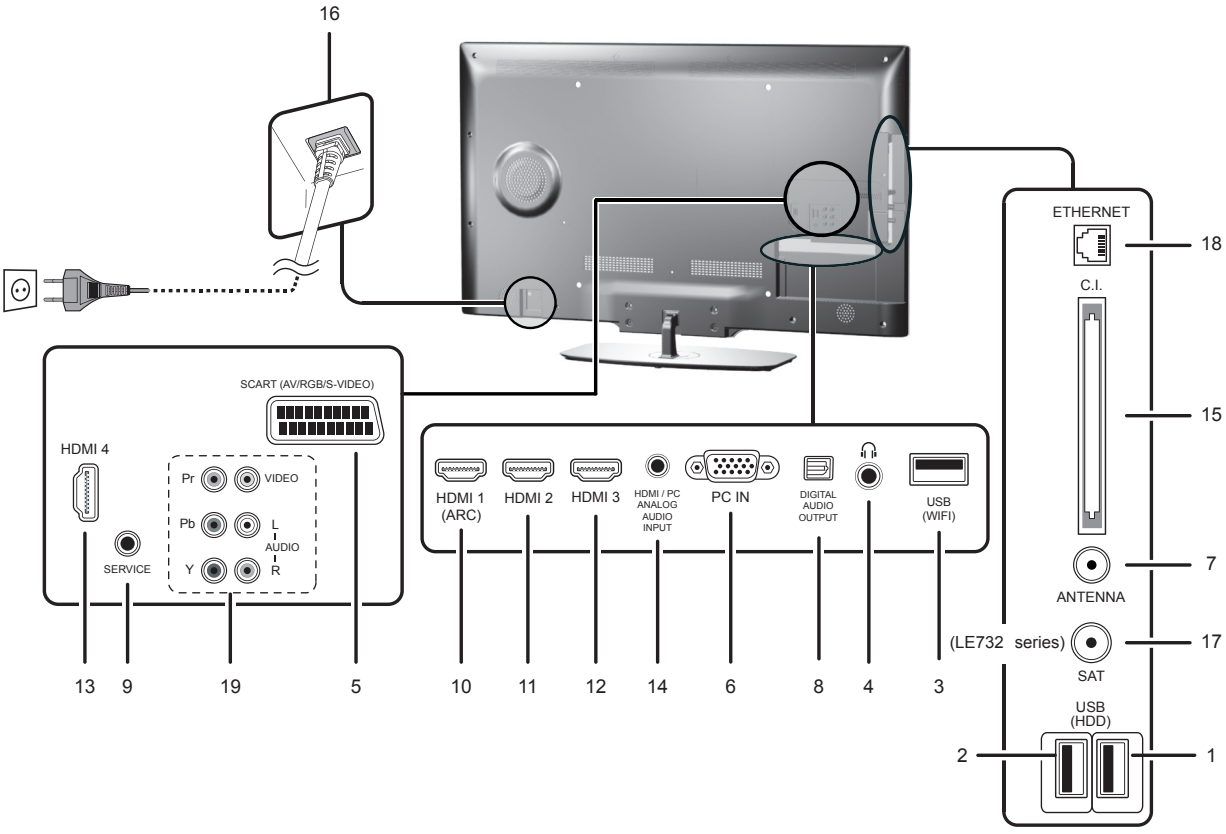
Operation Manual (Continued)

TV (Front view)



*TV indicator status (Page 10)

TV (Side and rear view)



1 USB terminal (USB REC / MEDIA PLAYER / SOFTWARE / HDD READY / 3D GLASSES BATTERY)
2 USB terminal (MEDIA PLAYER / SOFTWARE / HDD READY / 3D GLASSES BATTERY)
3 USB terminal (Wi-Fi use only)
4 HEADPHONES jack
5 SCART (AV/RGB, Y/C Input) terminal
6 PC Input
7 Antenna input terminal
8 OPTICAL DIGITAL AUDIO OUTPUT terminal (SPDIF)
9 SERVICE connector (jack 3.5 mm)
10 HDMI 1 (HDMI/DVI/ARC)
11 HDMI 2 (HDMI/DVI)
12 HDMI 3 (HDMI/DVI)
13 HDMI 4 (HDMI/DVI)
14 AUDIO input for DVI and PC (Jack 3.5mm connector)
15 COMMON INTERFACE slot
16 AC INPUT terminal
17 SAT (Satellite antenna input) (Only LE732 series)
18 ETHERNET (10/100) terminal
19 COMPONENTS / AV terminals

WARNING
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- Do not set the volume at a high level. Hearing experts advise against extended listening at high volume levels.

Operation Manual (Continued)

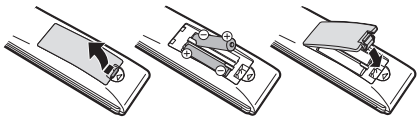
Preparation

Inserting the batteries

Before using the TV for the first time, insert the two supplied “AAA” size batteries. When the batteries become depleted and the remote control unit fails to operate, replace the batteries with new “AAA” size batteries.

1 Open battery cover.

2 Insert two supplied “AAA” size batteries.
- Place batteries with their terminals corresponding to the (+) and (-) indications in the battery compartment.



3 Close the battery cover.

CAUTION

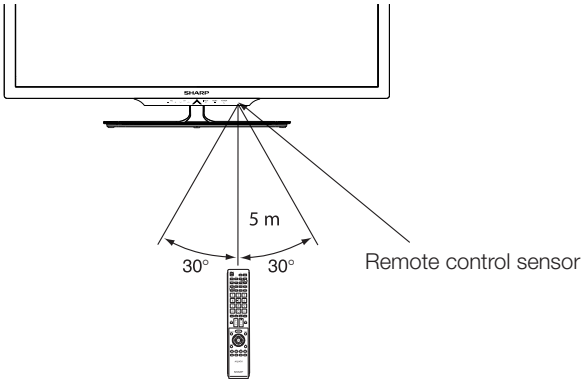
Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.
- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they have worn out. Chemicals that leak from batteries can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control unit for an extended period of time, remove the batteries from it.
- When replacing the batteries, use zinc-carbon batteries instead of alkaline ones.

Note on disposing batteries:

The batteries provided contain no harmful materials such as cadmium, lead or mercury.
Regulations concerning used batteries stipulate that batteries may no longer be thrown out with the household rubbish. Deposit any used batteries free of charge into the designated collection containers set up at commercial businesses.

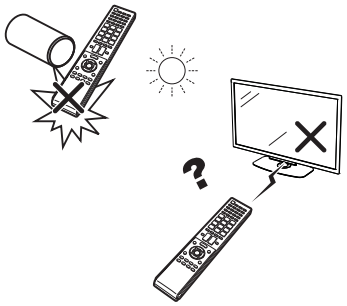
Using the remote control unit

Use the remote control unit by pointing it towards the remote control sensor. Objects between the remote control unit and sensor may prevent proper operation.



Cautions regarding the remote control unit

- Do not expose the remote control unit to shock. In addition, do not expose the remote control unit to liquids, and do not place in an area with high humidity.
- Do not install or place the remote control unit under direct sunlight. The heat may cause deformation of the unit.
- The remote control unit may not work properly if the remote control sensor of the TV is under direct sunlight or strong lighting. In such cases, change the angle of the lighting or the TV, or operate the remote control unit closer to the remote control sensor.



Operation Manual (Continued)

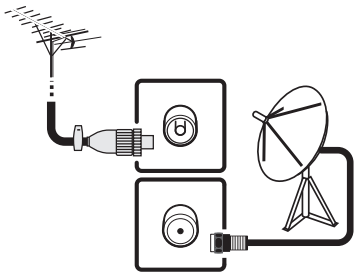
Quick guide

Initial installation overview

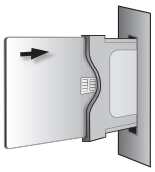
Follow the steps below one by one when using the TV for the first time. Some steps may not be necessary depending on your TV installation and connection.

1 Preparation

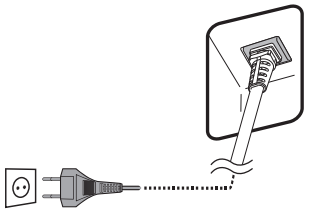
❶ Connect an antenna cable to the antenna terminal (Page 8).



❷ If necessary, insert a CA card into the CI slot to watch scrambled broadcasts (Page 8.)



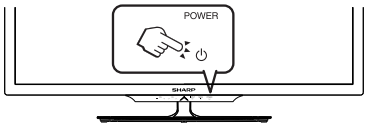
❸ Plug in the AC cord (Page 8).



Product shape varies in some countries.

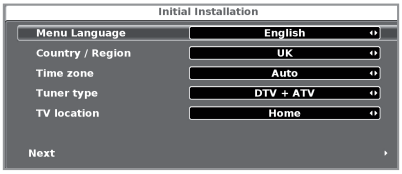
2 Power on and run the auto installation

❶ Turn on the power using ⏻ on the TV (Page 10).



❷ Run the initial auto installation (Page 9).

✓ Language, country, tuner type settings and TV Location setting.



✓ Go to **Next**.

⬇

Start searching channels

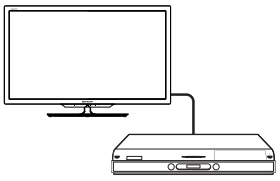
3 Watch TV

❶ **Congratulations! Now you can watch TV.**

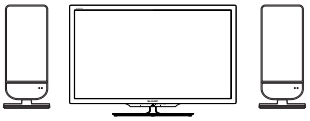
❷ If necessary, adjust the antenna to attain maximum signal reception (Page 9).

Connect external devices

❶ Connect external devices such as a DVD player/recorder as instructed (Pages 13, 14 and 15).



❷ Connect external audio devices such as speakers/amplifier as instructed (Pages 13, 14 and 15).



Operation Manual (Continued)

Connecting external devices

Before connecting ...

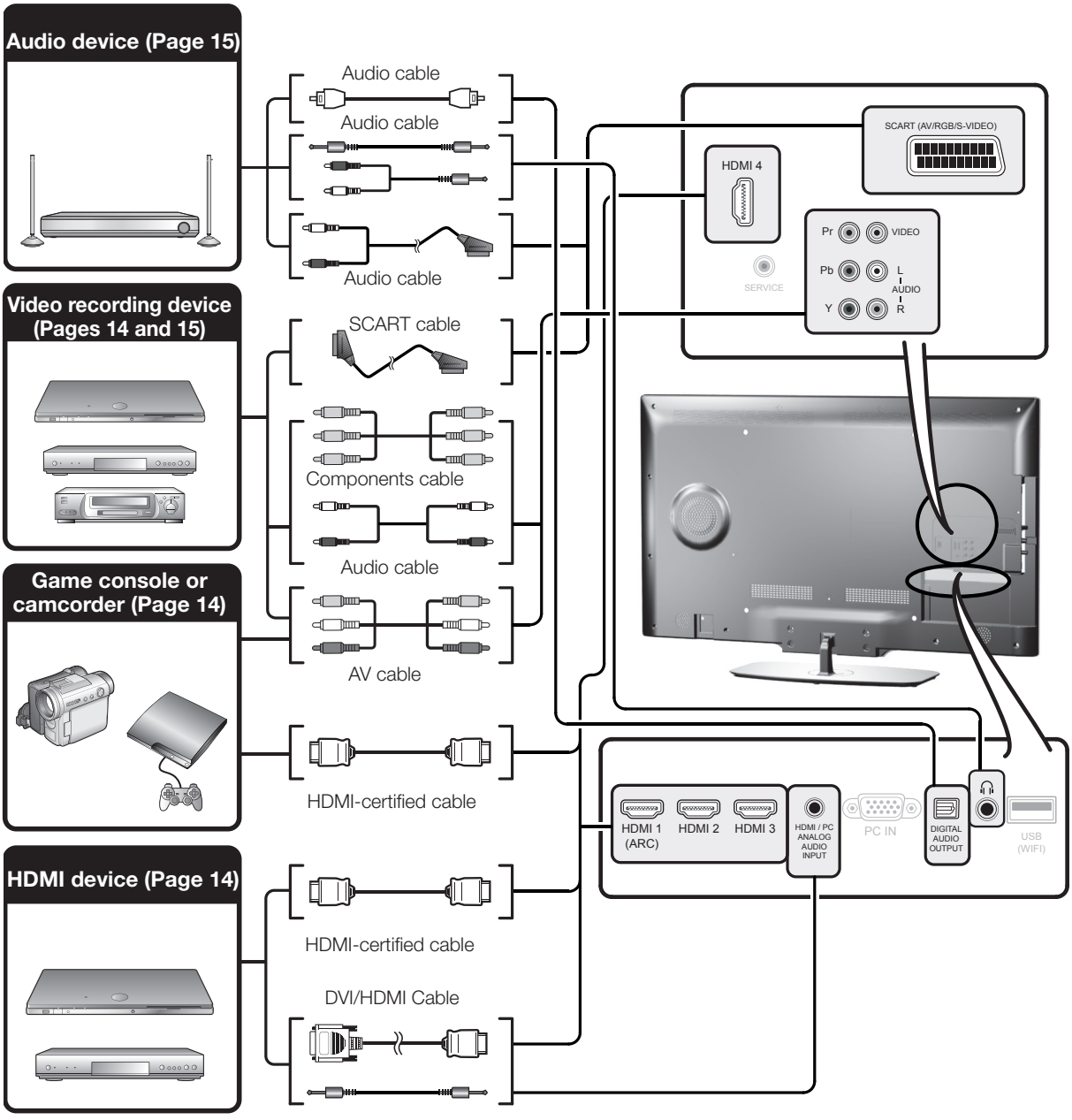
- Be sure to turn off the TV and any devices before making any connections.
- Firmly connect a cable to a terminal or terminals.
- Carefully read the operation manual of each external device for possible connection types. This also helps you get the best possible audiovisual quality to maximise the potential of the TV and the connected device.

Introduction to connections

The TV is equipped with the terminals as shown below. Find the cable corresponding the TV's terminal and connect the device.

NOTE

- The cables illustrated in pages 13, 14 and 15 are commercially available items.



ø 3.5 mm stereo mini jack cable

Operation Manual (Continued)

Appendix

Troubleshooting

Problem	Possible Solution
• No power.	• Check if you pressed **TV**⏻ on the remote control unit. If the indicator on the TV lights up red, press **TV**⏻. • Is the AC cord disconnected? • Check if you pressed ⏻ on the TV.
• The TV cannot be operated.	• External influences such as lightning, static electricity, etc., may cause improper operation. In this case, operate the TV after first turning off the power, or unplugging the AC cord and re-plugging it in after one or two minutes.
• Remote control unit does not operate.	• Are batteries inserted with polarity (+, −) aligned? • Are batteries worn out? (Replace with new batteries.) • Are you using it under strong or fluorescent lighting? • Is a fluorescent light illuminating to the remote control sensor?
• Picture is cut off.	• Is the image position correct? • Are screen mode adjustments (Picture format) such as picture size made correctly? (Page 26.)
• Strange colour, light colour, or dark colour, or colour misalignment.	• Adjust the picture tone. • Is the room too bright? The picture may look dark in a room that is too bright. • Check the “Picture” setting (Page 19).
• Power is suddenly turned off.	• The TV’s internal temperature has increased. Remove any objects blocking the vent or clean. • Is the “Sleep Timer” set? Select “Off” from the “Time” menu (Page 21). • Is “No Signal Off” or “No operation Off” activated?
• No picture.	• Are connections to external equipment correct? (Pages 13, 14 and 15) • Is the input signal type selected correctly after connection? (Page 10) • Is the correct input source selected? (Page 10) • Is the picture adjustment correct? (Pages 19) • Is the antenna connected properly? (Page 8)
• No sound.	• Is the volume too low? • Make sure that headphones are not connected. • Check if you pressed 🔇 on the remote control unit.
• The TV sometimes makes a cracking sound.	• This is not a malfunction. This happens when the cabinet slightly expands and contracts according to changes in temperature. This does not affect the TV's performance.

Troubleshooting - 3D Images

Problem	Possible solution
• 3D images are not displayed.	• Is “3D auto change” set to “No”? Press **3D** to switch to 3D mode. • If “3D auto change” is set to “Yes” but no 3D images are displayed, check the display format of the content being viewed. Some 3D image signals may not be recognized as 3D images automatically. Press **3D** to select the appropriate display format for the 3D image. • Are the 3D glasses set to 3D mode? • Is there an obstacle between the 3D glasses and the TV, or is something covering the infrared receiver on the 3D glasses? The 3D glasses operate by receiving a signal from the TV. Do not place anything between the 3D infrared emitter on the TV and the infrared receiver on the 3D glasses.
• The 3D glasses turn off automatically.	• Is there an obstacle between the 3D glasses and the TV, or is something covering the infrared receiver on the 3D glasses? The 3D glasses turn off automatically after three minutes if no signal is received from the TV. Do not place anything between the 3D infrared emitter on the TV and the infrared receiver on the 3D glasses.
• Switching the 3D glasses button to 2D or 3D does not cause the LED light to green.	• Is the battery in the 3D glasses exhausted? If the LED light does not light after pressing the power button for more than one second, the battery is exhausted. Recharge the battery via mini USB connector.

Information on the software license for this product

Software composition

The software included in this product is comprised of various software components whose individual copyrights are held by SHARP or by third parties.

Software developed by SHARP and/or third part

The copyrights for the software components and various relevant documents included with this product that were developed or written by SHARP are owned by SHARP and are protected by the Copyright Act, international treaties, and other relevant laws. This product also makes use of freely distributed software and software components whose copyrights are held by third parties.

Operation Manual (Continued)

Connected TV

What is Connected TV?

Connected TV set to play easily digital media contents coming from the Network (Internet or Home). **Connected TV** offers up to two different modes:

- Internet services support (BBC iPlayer (Only LE731 for UK), YouTube, and HbbTV).
- Media Streaming support for existing DLNA servers on your Home Network. In fact, user can play movies, listen to music or view pictures in the easiest way, even from playlist files (Media Player).

Connected TV provides a variety of services for each country.

NOTE

- Because Connected TV is an online system, it can be modified over time to better serve its purpose.
- Some Connected TV services may be added, changed or discontinued after some time.
- You cannot download and save neither files nor install plugins.
- Home Media (DLNA) requires external streaming media software installed on a PC, inside the HOME Network, that is not included with Connected TV.
- Home Media (DLNA) server software as Windows Media Player 11 (Windows Vista included) or Windows Media Player 12 (Windows 7 included), TVersity (www.tversity.com), Nero Media Home (www.nero.com), or Twonky Media Manager (www.twonky.com) are preferred but other can be used also. Visit the DLNA website (www.dlna.org) to see the certified media server list. Follow the server software's user manual for setup, share and stream media contents.
- Home Media (DLNA) (Video, Music and Photo) data is organized in folders depending on the Server hierarchy; options such as Artist, Genre, Composer, Ratings, Playlist or Watch Folders may be present for sorting content, but can be different depending of the selected Media Server.
- The "Play To" function of some PC Media Players may result in very compressed video quality. For best video quality, please use the USB Media Player function of the TV.

DISCLAIMERS

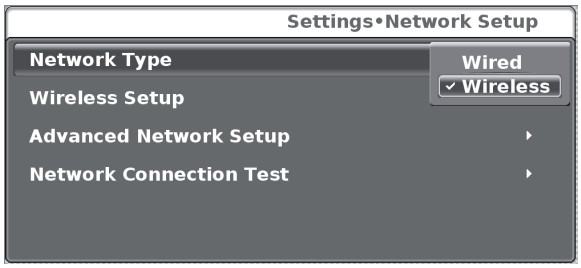
- SHARP corporation bears no responsibility regarding the content and quality of the content provided by the content service provider.

Internet setup

Connecting to the internet

To enjoy Connected TV, you need to connect the TV to a router with a high speed connection to the internet. The TV connection to the router can either be wired or wireless.

To access to the TV internet configuration go to **Settings→Network setup.** The next screen is shown:



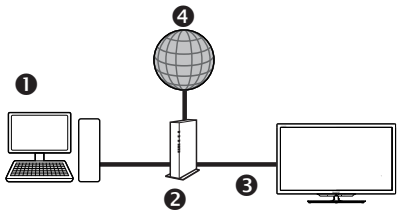
NOTE

- If you choose a wired connection to the router, you need an ETHERNET cable (not included, commercially available).
- If you do not have a broadband internet connection, consult the store where you purchased your TV or ask your internet service provider or telephone company.
- An ETHERNET and wireless connection cannot be used at the same time. Use only one of the connection types.
- A wireless LAN connection and performance cannot be guaranteed for all residential environments. In the following cases, the wireless LAN signal may be poor or drop, or the connection speed may become slower.
  - When used in buildings made with concrete, reinforced steel, or metal.
  - When placed near objects that obstruct the signal.
  - When used with other wireless devices that emit the same frequency.
  - When used in the vicinity of microwave ovens and other devices that emit a magnetic field, electrostatic charge, or electromagnetic interference.
- A stable connection speed is required to play back streaming content. Use an ETHERNET connection if the wireless LAN speed is unstable.

Wired installation

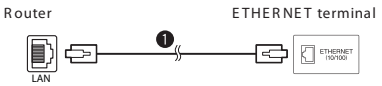
Use an ETHERNET cable to connect the ETHERNET terminal on the TV to your broadcast router as shown below. This is recommended when enjoying services which require stable connection speeds, such as streaming media.

- **Wired connection overview**



❶ PC (Home Media Server)
❷ Router (commercially available)
❸ ETHERNET cable (commercially available)
❹ Network (Internet)

- **How to connect**



❶ ETHERNET cable

1 Switch on the router (commercially available). Refer to the router's operation manual for switching on.

Operation Manual (Continued)

Connected TV

2 Connect the ETHERNET terminal on the TV to the router (commercially available) with an ETHERNET cable (commercially available).

3 Go to **SETTINGS** >"**Network settings**"> "**Network type**".

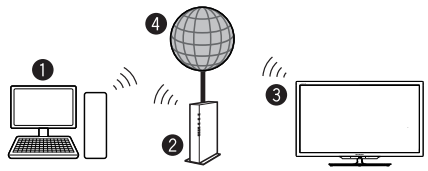
4 Press **OK** and ▲/▼ to select **"Wired"**, and then press **OK**. The wired connection will be automatically established.

To change the settings manually go to **"Advanced Network Setup"**> **IP Adress Setup**> **Off,** now you can introduce the settings manually.

Wireless installation

Use the SHARP (AN-WUD630) USB adapter (sold separately) with the TV.

● **Wireless connection overview**

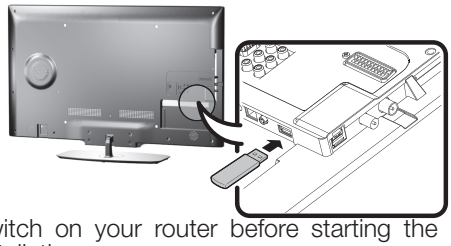


❶ PC (Home Media Server)
❷ Wireless LAN router/access point
❸ Wireless AN-WUD630 LAN USB adapter (sold separately)
❹ Network (Internet)

NOTE

- When using the SHARP wireless LAN adapter (sold separately), try to provide as much free space around the device for best performance.
- Make sure the firewalls in your network allows access to the TV wireless connection.
- Operations cannot be guaranteed when used with access points that do not have Wi-Fi® certification.
- A wireless LAN access point is required to connect the TV to the Internet using a wireless LAN. See the operation manual of your access point for setup.

● **How to connect**



1 Switch on your router before starting the network installation.

2 Connect the AN-WUD630 USB adapter (sold separately) to the USB Wi-Fi port on the TV.

- Do not use a wireless LAN adapter other than the AN-WUD630 Sharp wireless LAN adapter, as operations cannot be guaranteed.
- If your wireless network is secured, have the encryption key ready to enter on screen.

3 Go to "**Settings**" >"**Network settings**"> "**Network type**".

4 Press **OK** and ▲/▼ to select "**Wireless**", and then press **OK**.

The **"Wireless"** connection will be automatically selected if the TV detects only the wireless USB adapter.

5 Select "**Wireless setup".**
There are three ways to connect by wireless the TV to a network:

● **Easy setup**

1 Select **WPS configuration** and press **OK.** Press ▼ to select **"PBC"** and press **OK.**

2 Press ▼ to select **Start scan** and press **OK.**

3 Press the **WPS** button on the router/access point (AP). Wait until the connection is established.

- If connection failed, please be sure WPS feature is enabled (See the operation manual of your router/access point(AP) for setup.)
- In case of router/access point does not support WPS, write the encryption key for that network using the software keyboard. See **Assisted Setup** explanation.
- To establish the connection manually select **"PIN", press OK,** select **Start scan** and press **OK** .Follow the on-screen instructions and the operation manual of the router/access point(AP).

● **Assisted setup**
Shows the network name list (SSID).

1 Select the network you want to connect.

2 If network is protected, introduce the encryption key using the software keyboard and press **Green** button.

3 Select **Done** and press **OK.**

The TV will connects to the network you have selected.

● **Manual setup**
Allows you to establish the wireless connection introducing all data manually.

● **Advanced Network Setup**
Allows you to introduce manually all network setup.

● **Network Connection Test**
Check the connection status

NOTE

- To connect your TV to the internet, you must have a broadband internet connection.
- If you do not have a broadband internet connection, consult the store where you purchased your TV or ask your internet service provider or telephone company.
- There is no need to enter the security key for subsequent connections to the wireless network.
- If your access point is set to a stealth mode (Hidden SSID, that prevents detection by other devices), you may not be able to establish a connection. In this case, disable the stealth mode on the access point.
- To change wireless LAN connection settings, go to "**Settings**" > "**Network Settings**".
- Any low bandwidth adapter (router, hub, wireless access point,…) will show poor network connection and then, poor streaming quality. It's recommended 56 Mbps or higher bandwidth for full feature.
- Working close to other Wireless/Bluetooth network, can appear some trouble using Wi-Fi adapter on the Connected TV. Due to wireless link cannot be guarantee, please try to change Wi-Fi channel on Access Point (AP) for avoiding interferences. Please refer to Access Point User Manual.

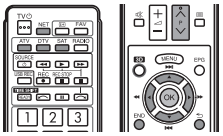
Operation Manual (Continued)

Connected TV

Operations in Connected TV

Basic Operation

The illustrations on this page are for explanation purposes. They are subject to change without notice.



● **Display the start page**

Press **NET**.

NOTE

- When connect TV to the Internet, a message which requests a software update may display in some cases.

● **Select a service**

Press ▲/▼/◄/► to select the desired service, and then press **OK**.

- Press **P**⋀/⋁ to scroll pages up/down (This may not work for some services).
- Press ⮌ to return to the previous page (This may not work for some services).

● **Exit Connected TV**

Press **END**/**ATV**/**DTV**/**SAT**.

HbbTV (Hybrid Broadcast Broadband TV)

Some broadcasters bring you access to new services from entertainment providers such as broadcasters, online providers, including catch-up TV, video on demand (VoD), interactive advertising, personalisation, voting, games and social networking.

This function requires internet connection through the ETHERNET or the Wi-Fi adapter AN-WUD630 (optional accessory).

● **HbbTV Enable**

1. Press **MENU** → **Settings** and select "**HbbTV enable"** setting.
2. Select **On** to enable this function by pressing **OK**.
3. When the selected program offers this service it will be seen on screen. Just press the requested key to activate.
4. Then, the picture/list of available services will appear.
5. Follow the broadcaster instructions.

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Operation Manual (Continued)

Basic adjustment

Searching for satellite broadcasts
(Only for LE732 model series)

SADTV Auto tuning

Allows you to tune satellite services.

1 Press **MENU** on the remote control. With ◄/► keys select **Channel**, then select **Auto Tuning** and press **OK**.

2 With ▲/▼/◄/► keys select **Tuner type** → **SADTV**.

3 Go to **Start Search** and press **OK.**

The following screen will appear:

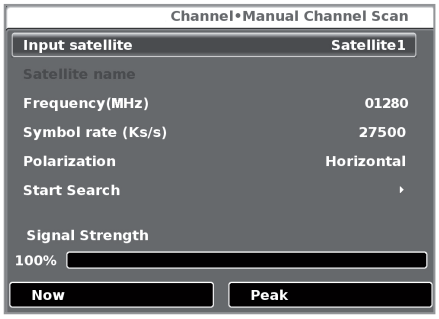
Choose the setup applicable to your satellite device and confirm your choice pressing **OK** button on the remote control.

The automatic search will start.

SADTV manual Tuning

This option allows you add satellite services manually.

Press **MENU** on the remote control. With ▼ key select **SADTV manual Tuning** and press **OK.**



- **Input Satellite**
  Choose the setting applicable to your satellite device and press **OK.**
- **Frequency (MHz)**
  Introduce the transponder frequency in MHz.
- **Symbol rate**
  Introduce the symbol rate.
- **Polarization**
  Allows to choose between horizontal or vertical polarization.

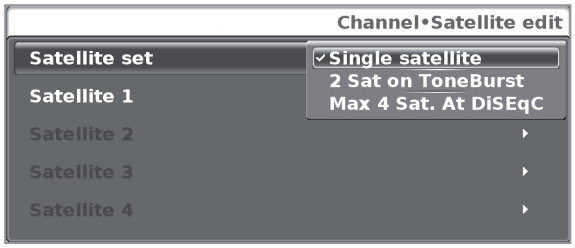
Select **Start Search** and press **OK** to start searching.

Satellite edit

This option allows you to adjust manually the satellite properties.

Press ▼ to select **"Satellite Edit"** and then press **OK**.

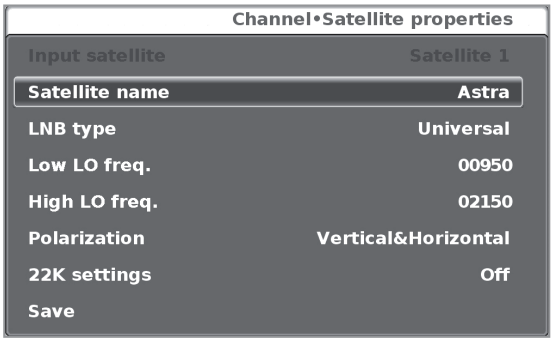
Select **Satellite Set.** You can choose between the following options:



Consult your dealers before using a method other than **Single Satellite**.

1 Select **Single Satellite** and then press **OK.**

2 Press ▼ to select **"Satellite 1"** and press **OK**.



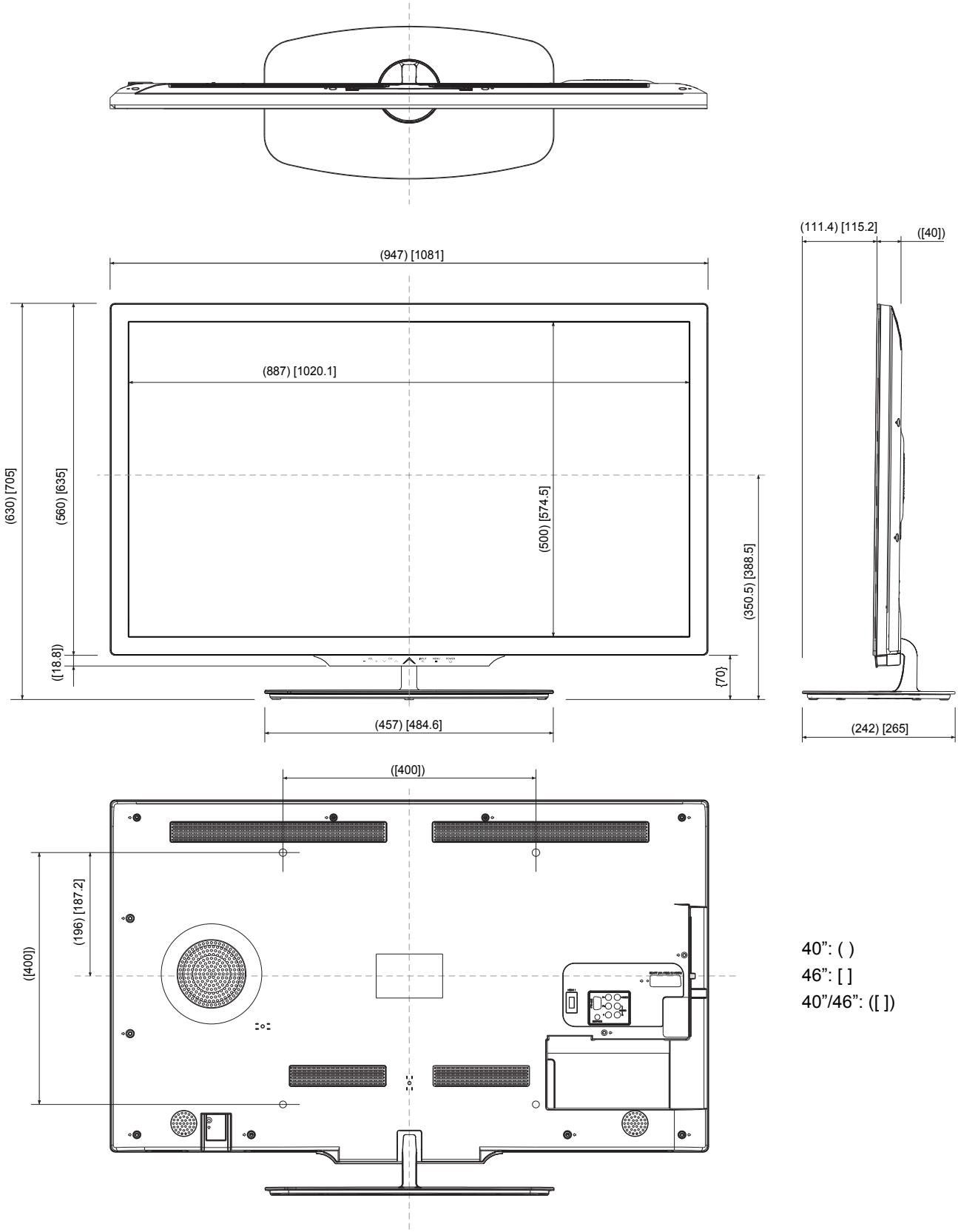
3 Select **Satellite Name** and press **OK**. Enter the satellite name using software keyboard.

4 Select **LNB Type** and choose between **Universal** or **User**. If you choose **Universal** the other settings remains disabled (grey). If you choose "**User"** the following settings will be enabled:

- **Low LO freq.**
  Allows you to change default low frequency.
- **High LO freq.**
  Allows you to change default high frecuency.
- **Polarization**
  Depending on the broadcaster characteristics choose between **Vertical&Horizontal** (search for in both polarities), **Vertical** or **Horizontal** (search for in one polarity) or **LNB OFF** (LNB power off).
- **22K settings**
  Select **ON** to add the high band to the search automatically process by applying 22KHz tone.

Press ▼ to select **Save** and then press **OK** to save the settings.

DIMENSIONS

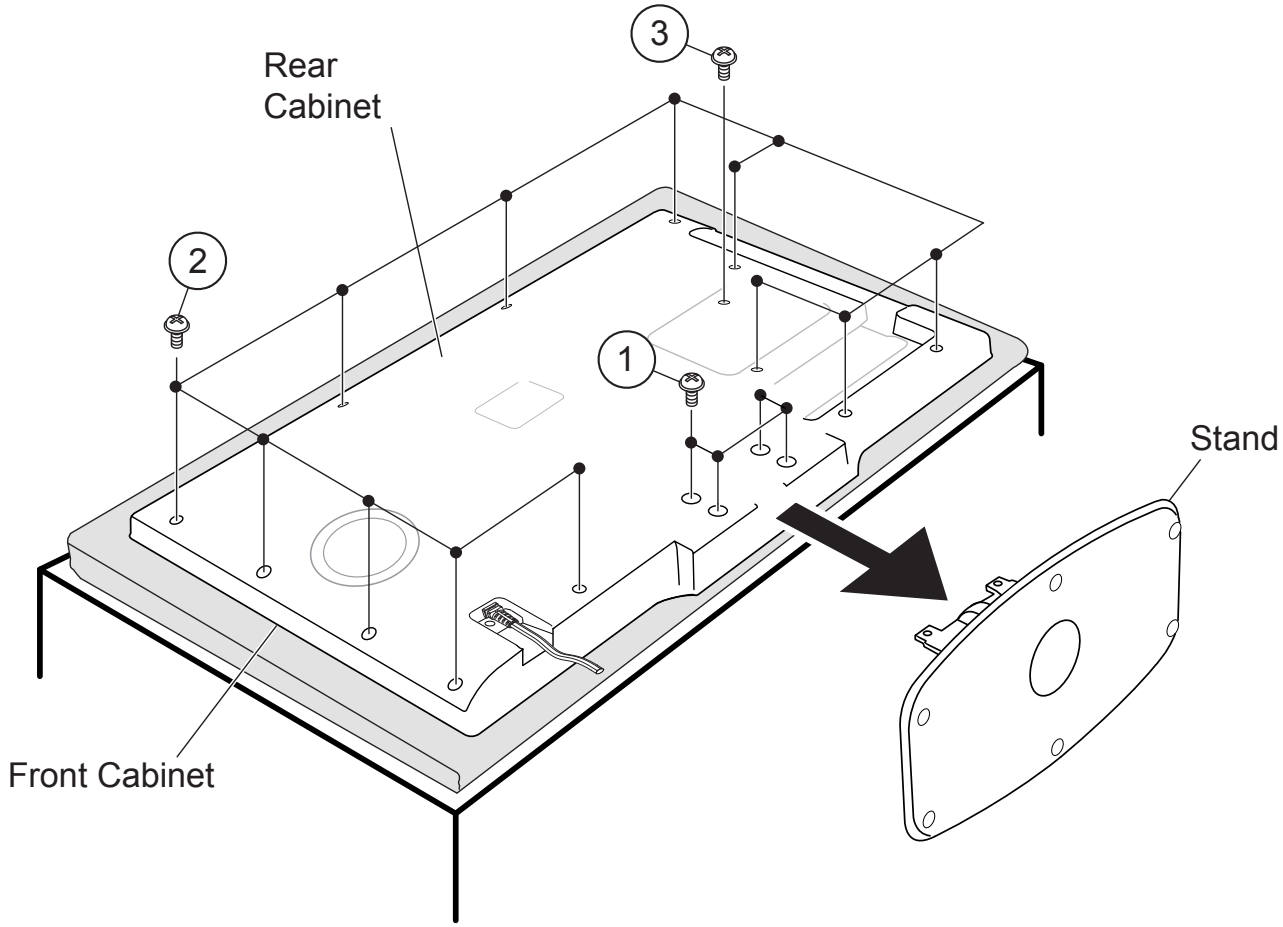


40”: ( )
46”: [ ]
40”/46”: ([ ])

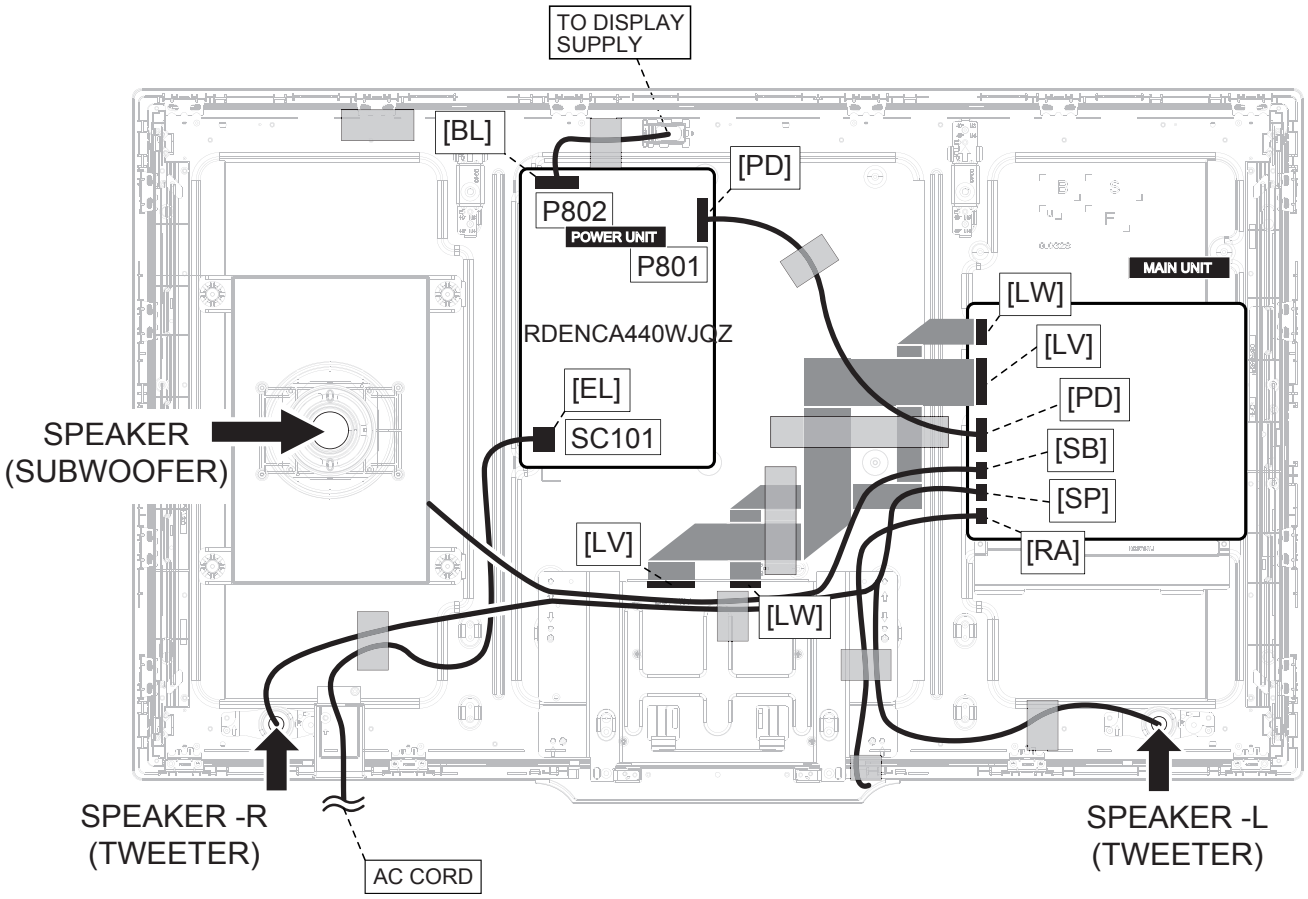
REMOVING OF MAJOR PARTS

1. Removing of major Parts 40”

1. Remove the 4 lock screws ① and detach the Stand.
2. Remove the 12 lock screws ②, 1 lock screw ③ and detach the Rear Cabinet.



1. Removing of major Parts 40” (Continued)



1. Removing of major Parts 40” (Continued)

4. Remove the SPEAKER full range (subwoofer) ④ .

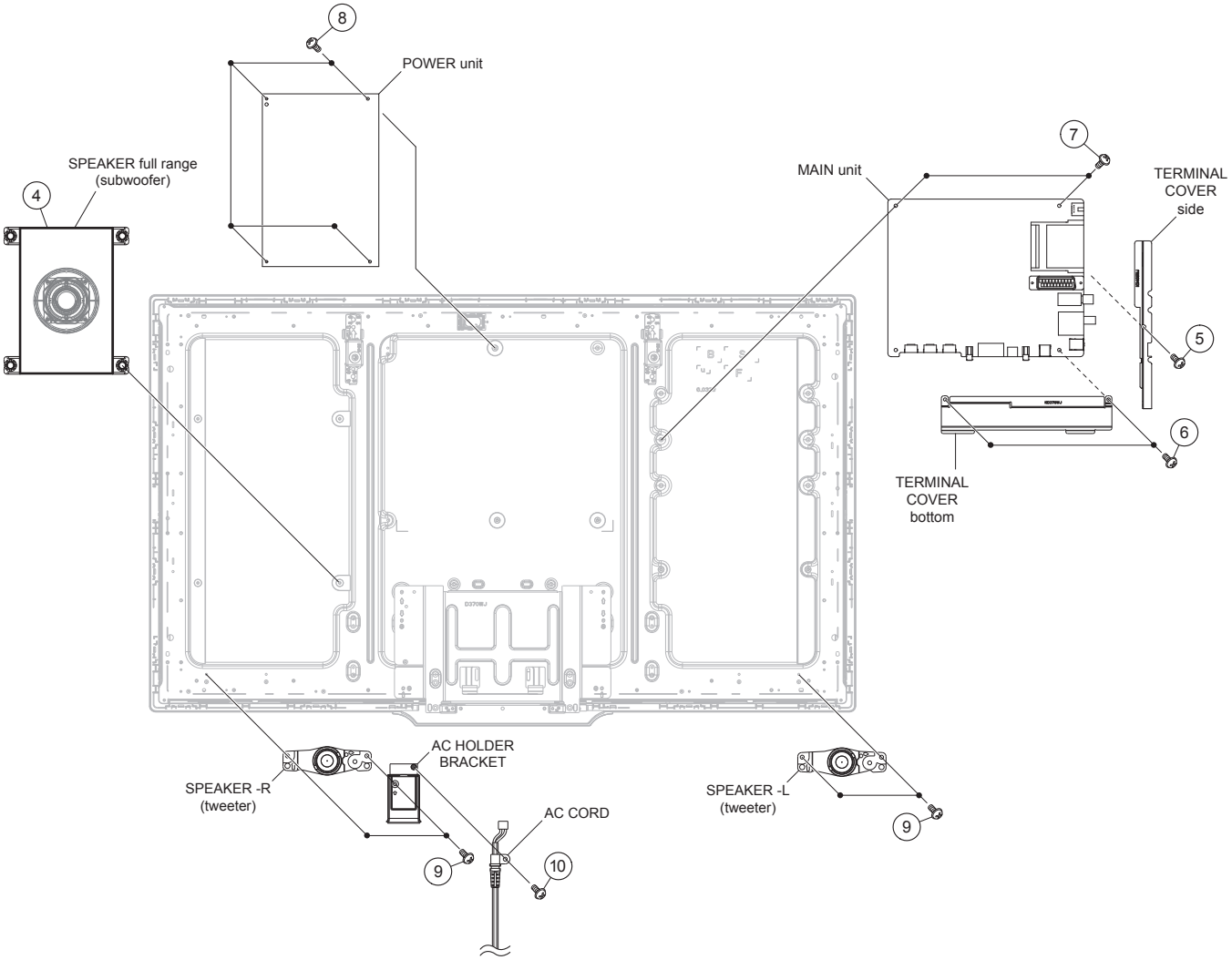
5. Remove the 1 lock screws ⑤ and detach the TERMINAL COVER side.

6. Remove the 2 lock screws ⑥ , 2 lock screws ⑦ and detach the TERMINAL COVER bottom and the MAIN unit.

7. Remove the 4 lock screws ⑧ and detach the POWER unit.

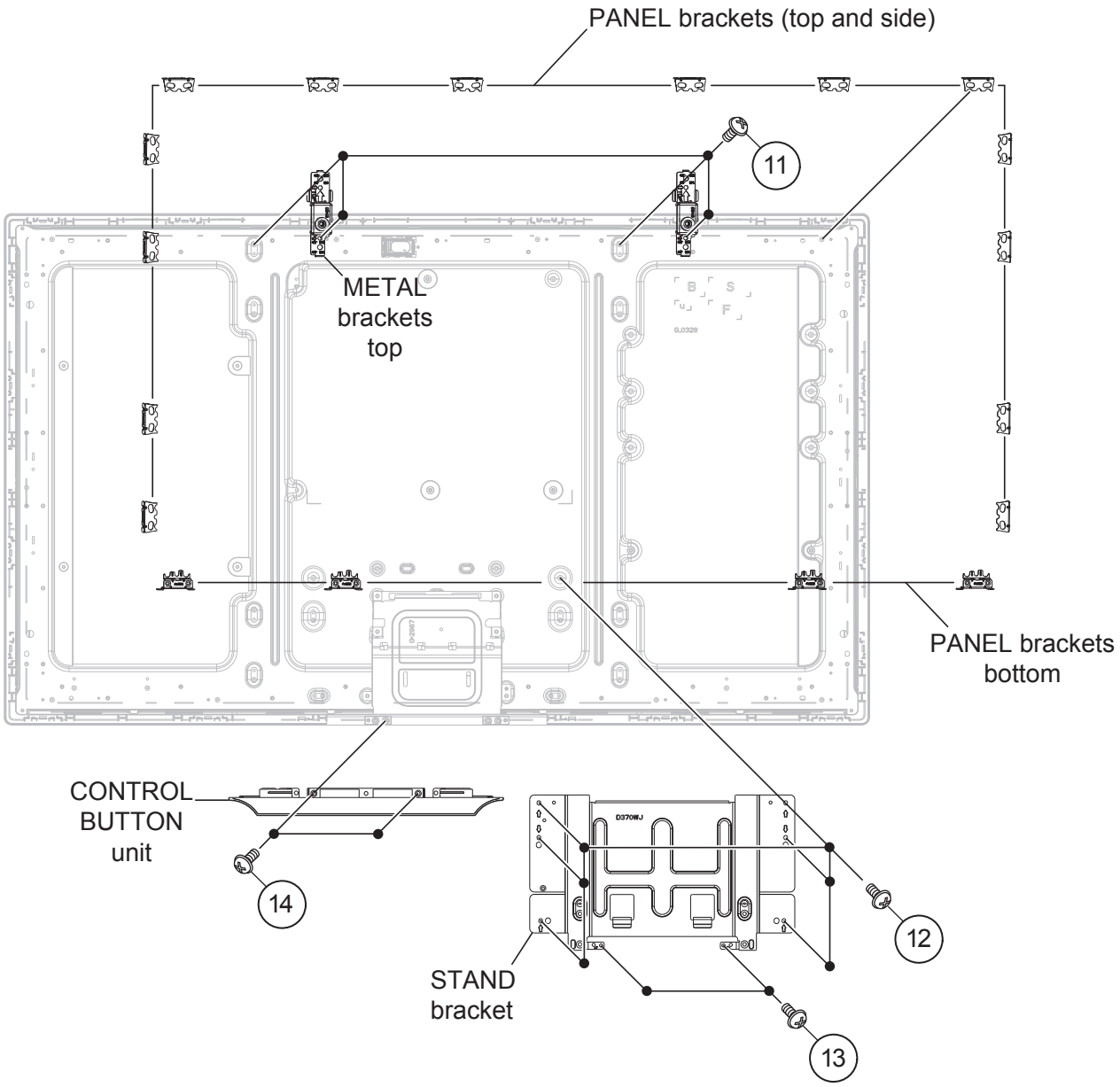
8. Remove the 4 lock screws ⑨ and detach the SPEAKER tweeter L and R.

9. Remove the 1 lock screws ⑩ and detach the AC CORD from AC HOLDER BRACKET.



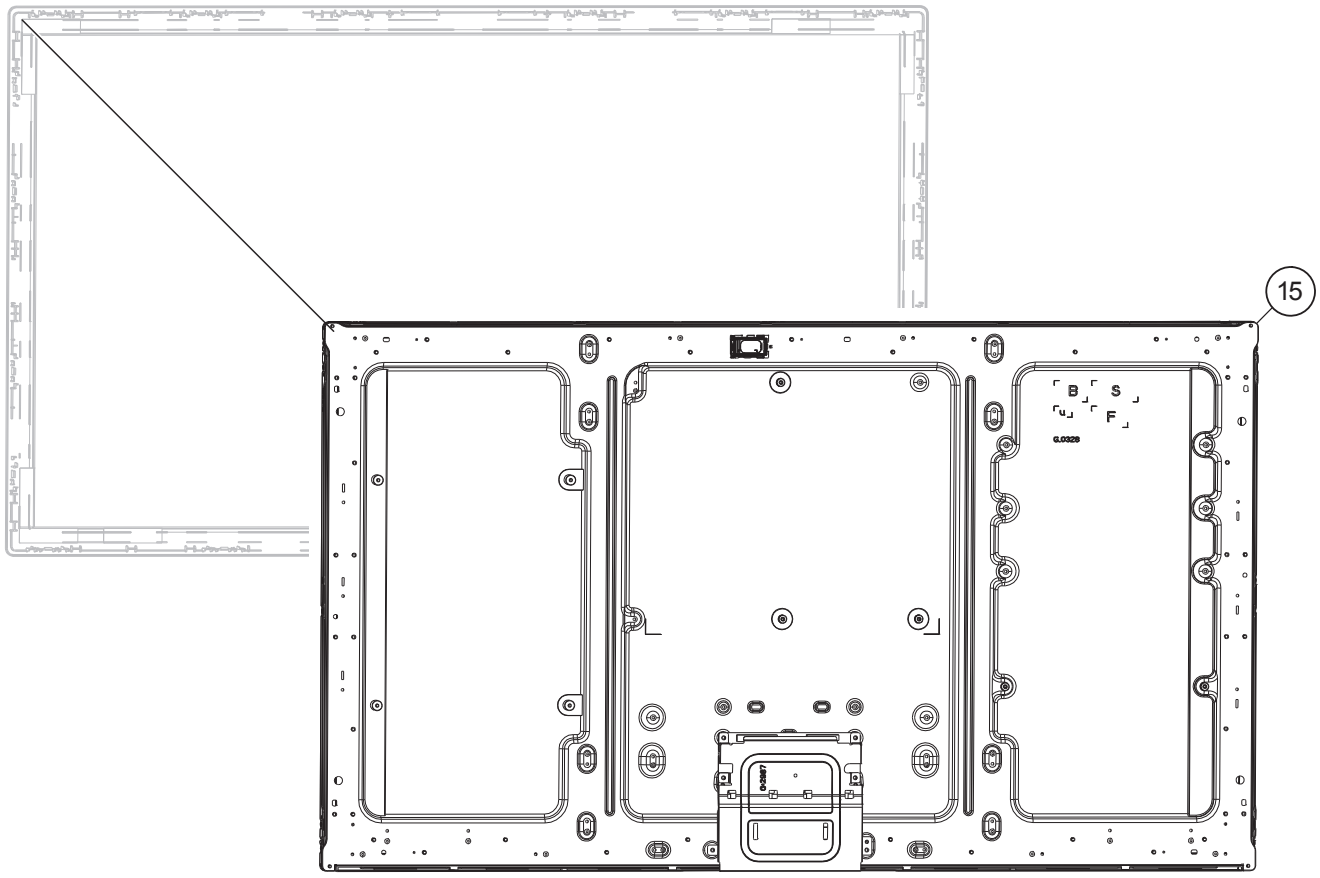
1. Removing of major Parts 40” (Continued)

10. Remove the 14 PANEL brackets (top and side) and 4 PANEL brackets bottom.
11. Remove the 4 lock screws ⑪ and detach the METAL brackets top.
12. Remove the 6 lock screws ⑫ and 2 lock screws ⑬ and detach the STAND bracket.
13. Remove the 2 lock screws ⑭ and detach the CONTROL BUTTON unit.



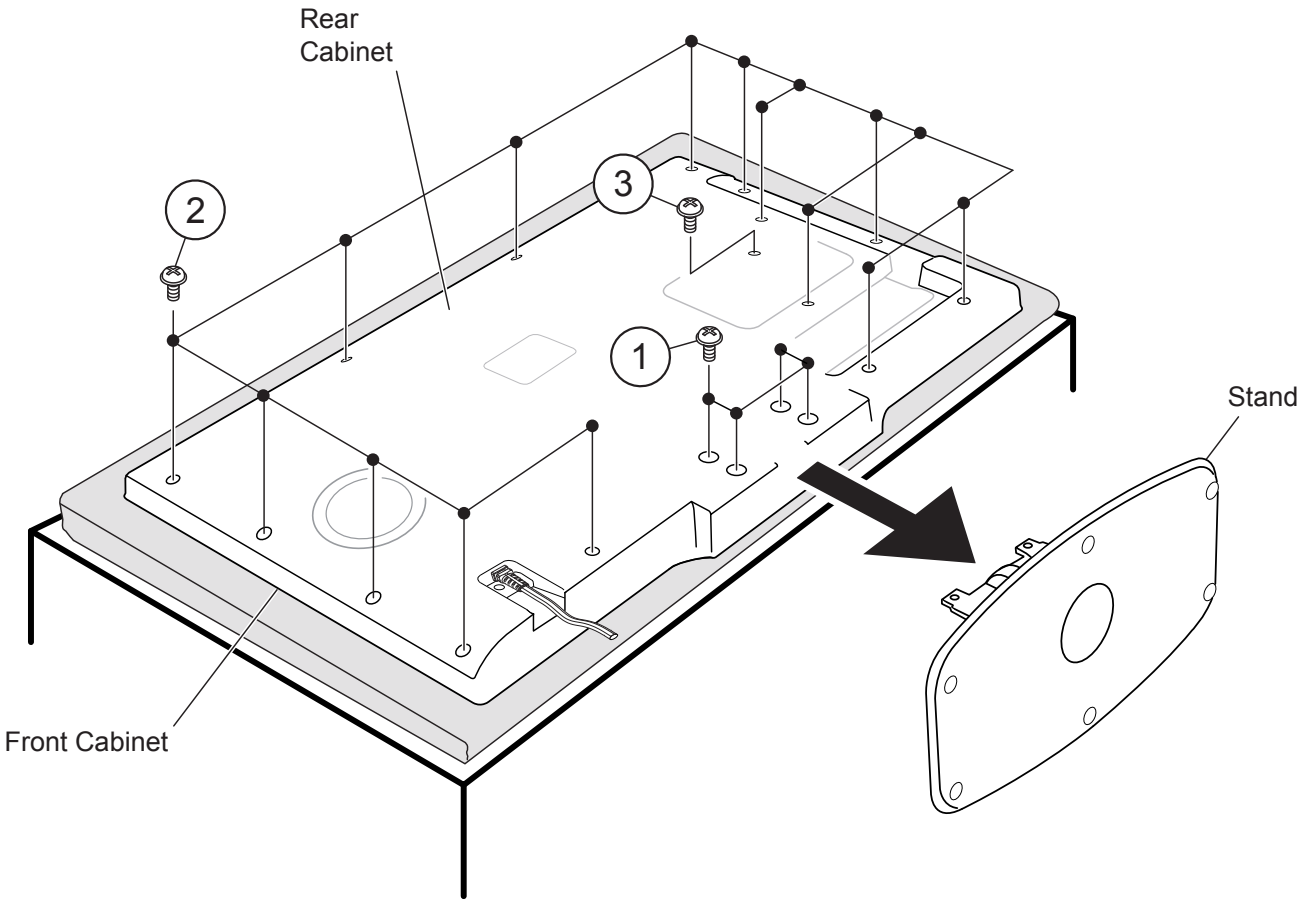
1. Removing of major Parts 40” (Continued)

14. Detach the LCD module ⑮ from CAB-A.

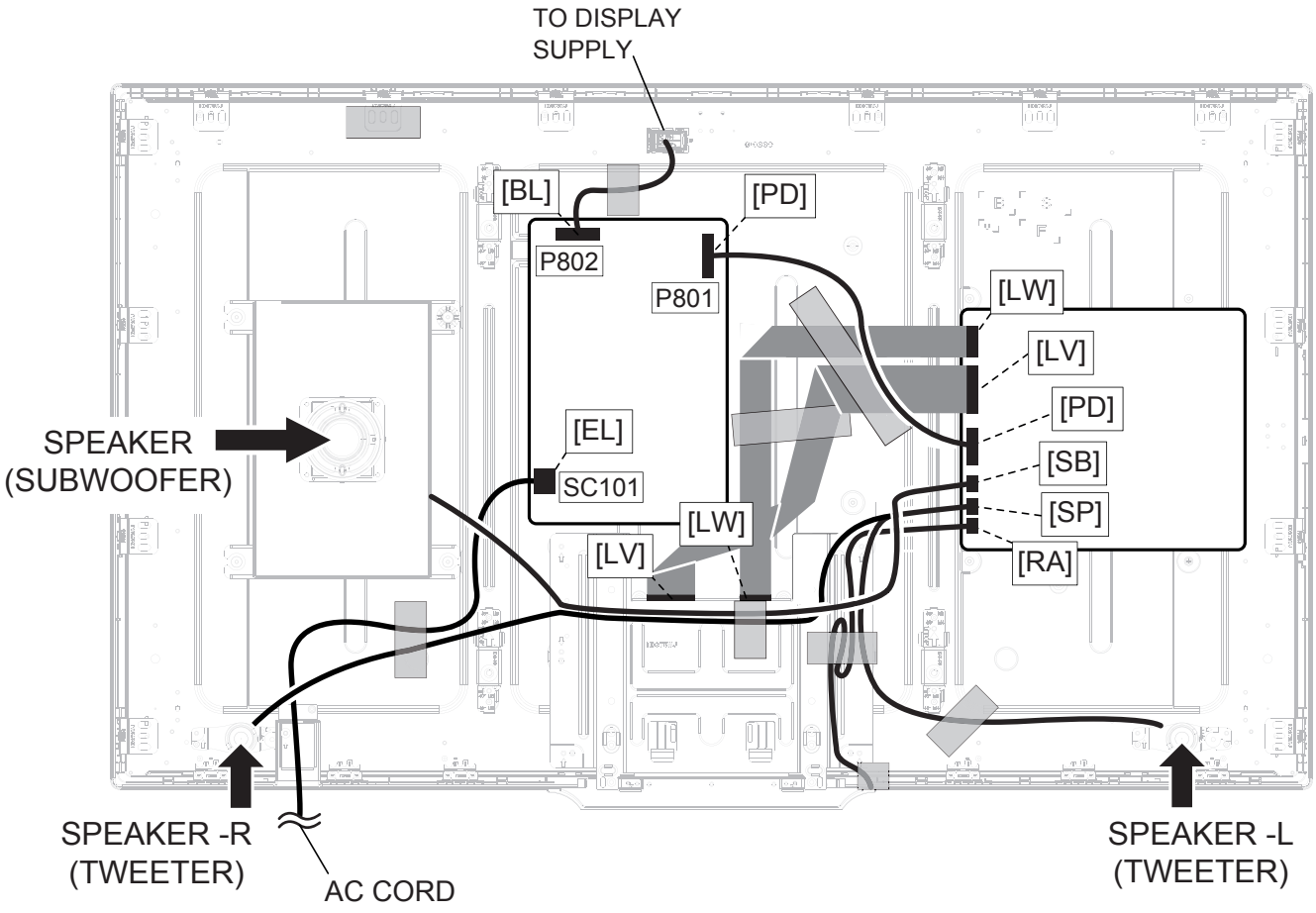


2. Removing of major Parts 46”

1. Remove the 4 lock screws ① and detach the Stand.
2. Remove the 14 lock screws ②, 1 lock screw ③ and detach the Rear Cabinet.



2. Removing of major Parts 46” (Continued)



2. Removing of major Parts 46” (Continued)

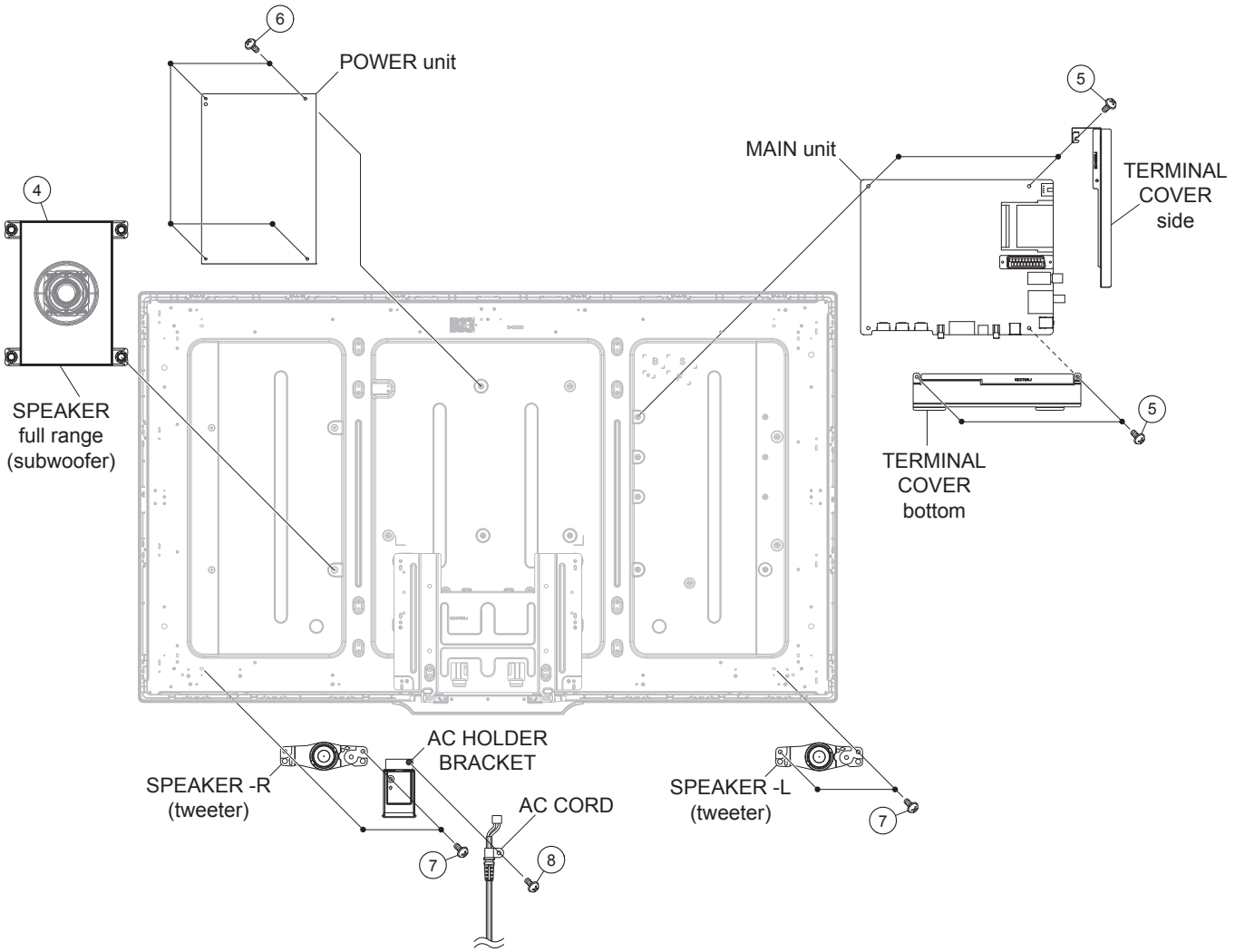
4. Remove the SPEAKER full range (subwoofer) ④.

5. Remove the 4 lock screws ⑤ and detach the TERMINAL COVER side, bottom and the MAIN unit.

6. Remove the 4 lock screws ⑥ and detach the POWER unit.

7. Remove the 4 lock screws ⑦ and detach the SPEAKER tweeter L and R.

8. Remove the 1 lock screws ⑧ and detach the AC CORD from AC HOLDER BRACKET.

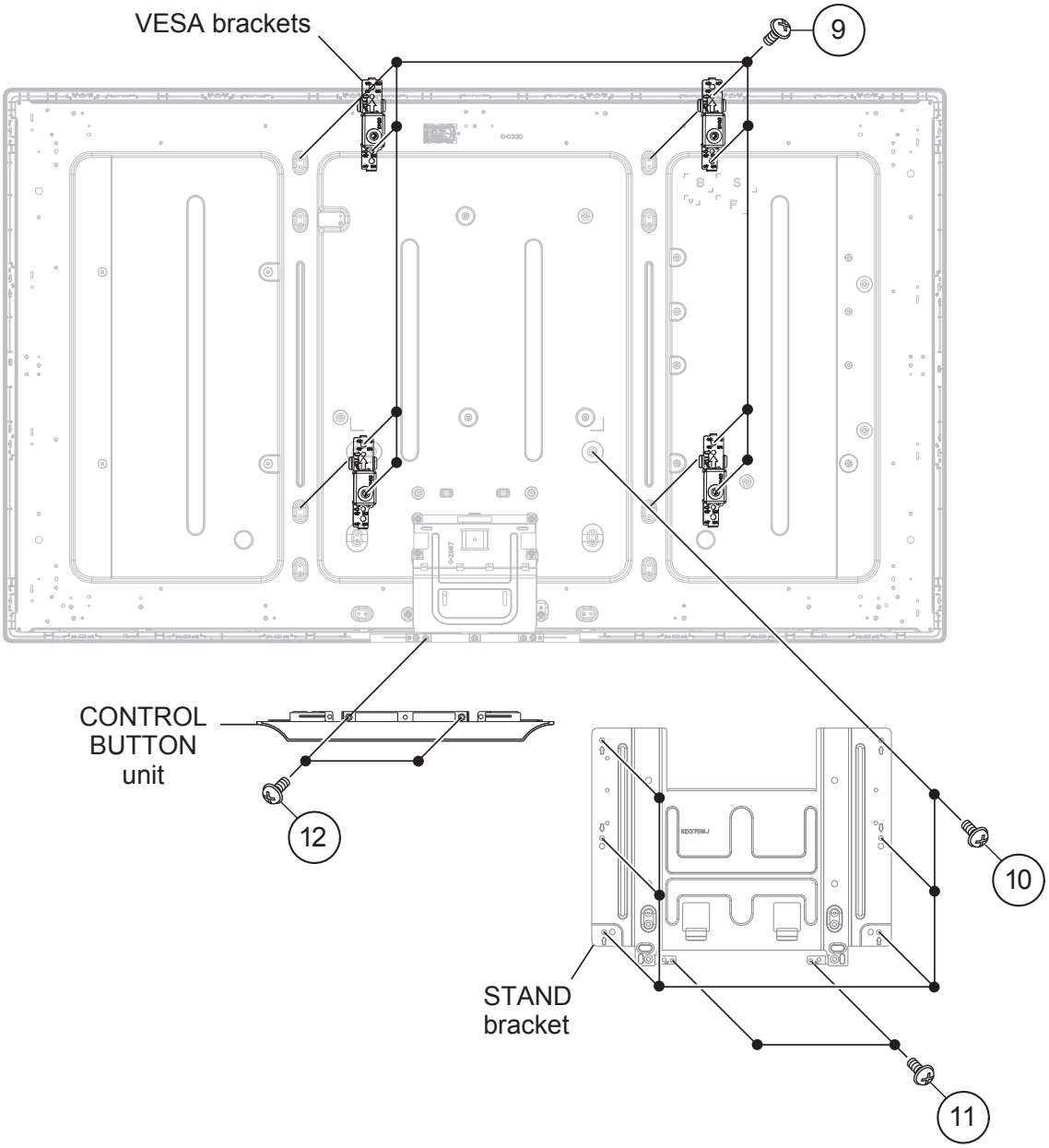


2. Removing of major Parts 46” (Continued)

9. Remove the 8 lock screws ⑨ and detach the VESA brackets.

10. Remove the 6 lock screws ⑩ 2 lock screws ⑪ and detach the STAND bracket.

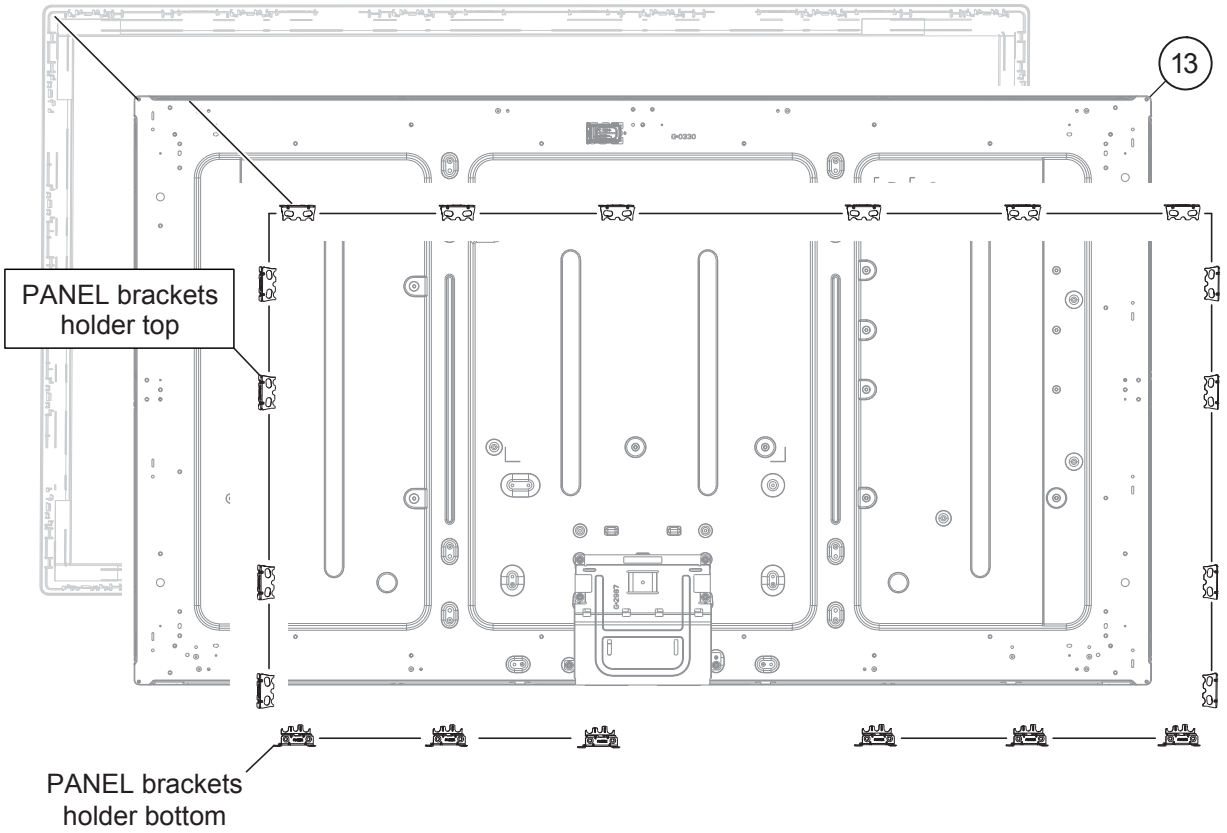
11. Remove the 2 lock screws ⑫ and detach the CONTROL BUTTON unit.



2. Removing of major Parts 46” (Continued)

12. Remove the 14 PANEL brackets holder top and 6 PANEL brackets holder bottom.

13. Detach the LCD module ⑬ from CAB-A.



SERVICE ADJUSTMENTS

1. Adjustment method after PWB and/or IC replacement due to repair

The unit is set to the optimum performance at the time of shipment from the factory.

If any value should become improper or any adjustment is necessary due to the part replacement, make an adjustment according to the following procedure.

1.1. Procure the following units in order to replace the main unit:

MAIN UNIT **DUNTKF915WExx**

NOTE: [Caution when replacing ICs in the main unit (IC0503)]

Before replacing the relevant part, procure the following parts in which the data have been rewritten.

Ref.	Description	Parts code IC + data	Description new IC code for service
IC0503	PC EDID	RH-IXD456WJZZY	VHIR24002AS-1Y AND DATA LC4xLE73x_PC_EDID

2. Entering and exiting the adjustment process mode. Standard method.

1. By key-unit.

1. Unplug the AC power cord, plug the AC power cord and wait until pyramid led blue is iluminated and then.
2. Press and hold “V-” and “⏎” keys, simultaneously.
3. “K” appears on the screen.
4. Press and hold “V-” and “P-” keys, simultaneously.
5. “SHARP FACTORY MENU” appears (see Figure 1).
6. Unplug the AC power cord to exit of adjustments process.

2. By own R/C

1. Turn on the TV set.
2. Press “9”, ”9”, ”9”, “2”, “2”, “2” (to enter this code the time is limited to 5 sec. approx.)
3. “SHARP FACTORY MENU” appears (see Figure 1).
4. Press “OK” on lines 5 ~ 11 to go to submenu.
5. Press “END” to return to main menu.
6. Press “MENU” to exit of adjustments mode.

3. Remote control key operation and description of display in adjustment process mode

1. key operation

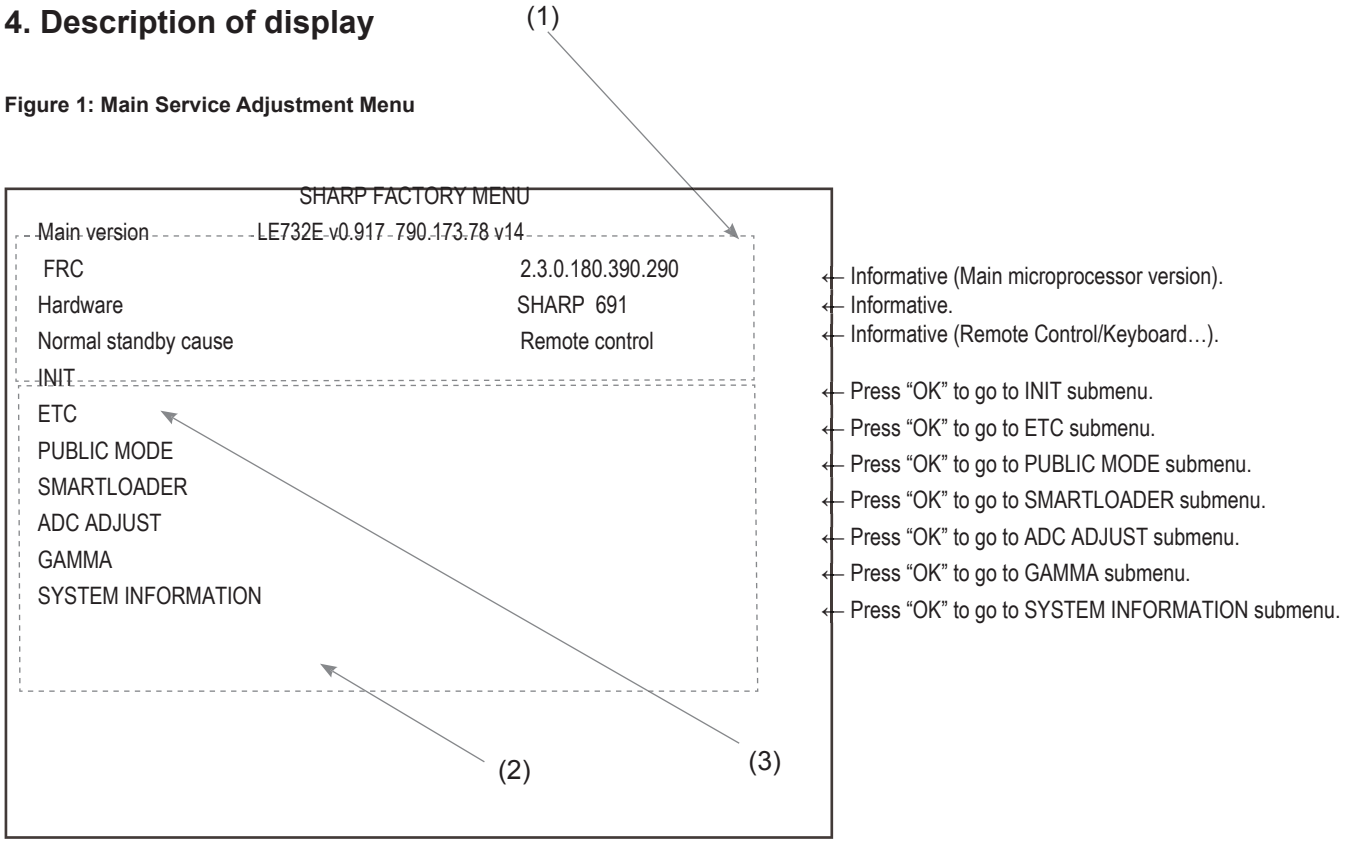
Remote control key	Keyboard unit	Function
Cursor (▼/▲)	P (⋁/⋀)	Moving an item (line) by one (up/down) on “Sharp Factory Menu” or submenus.
OK	⏎	Selecting a submenu on lines 5 to 12 of “Sharp Factory Menu” or executing a function.
Cursor (◄/►)	V (+/-)	Changing a selected item setting value.
MENU	MENU	Exit of adjustment mode.
		Return to “Sharp Factory Menu” from a submenu.

The required input mode should be switched previously to enter the Service Mode.

CAUTION: Use due care in handling the information described here lest the users should know how to enter the adjustment process mode. If the settings are tampered with in this mode, unrecoverable system damage may result.

4. Description of display

Figure 1: Main Service Adjustment Menu



No.	Description	Display specification
(1)	Service Information	Current Software version and others.
(2)	Item name	Submenus to be checked or adjusted (by pressing “OK” button)
(3)	Factory init and Inch setting	Are shown on INIT submenu

5. Adjustment process mode menu

Page	Line	Sub page	Item	Description	Remarks (adjustment details, etc.)
	1		Main Version	LE732E v0.917 790.173.78 v14	Informative only (Main microprocessor version)
	2		FRC	2.3.0.180.390-290	Informative only (FRC version)
	3		HardwareVersion	SHARP 691	Informative only
	4		Normal Standby Cause	None / Remote Control / Keyboard...	Informative only
	5		INIT	Factory Init Submenu	Press “►” or “OK” to enter to Factory Init Submenu
		2/8	Factory Init	EURO	Informative (EURO/RUSSIA/NORDIC/UK/EAST EUROPE)
			Inch Setting	40"	Panel type (40" / 46")
			Center Acutime	0 H 0 M	Backlight ON accumulated Time
			RESET	►	Press “►” to reset Center Acutime
			TUNER	NuTUNE	Press “►” or "OK" to slect (Nutune / LG)
	6		ETC	EEP, Autoinstallation, Option, Country, L Error...	Press “►” or “OK” to enter to ETC Submenu
		3/8	EEP Clear	►	Press “►” to Clear NVM data
			EEP Clear B	►	Press “►” to Clear NVM data (except adjustments area).
			Standby cause reset	►	Press “►” to Reset of STANDBY CAUSE.
			Autoinstallation SW	Off	►
			Pattern	0	Selection of internal pattern from 0 to 6
			L Error Counter	0	Function is not available
			L Error Reset	►	Function is not available
	7		PUBLIC MODE	PUBLIC MODE Submenu	Press “►” or “OK” to enter to PUBLIC MODE Submenu
		4/8	Power On fixed	Variable	Press “►” to change Variable/Fixed.
			Maximum volume	60	Press “►” to change 0/60.
			Volume fixed	Variable	Press “►” to change Variable/Fixed.
			Volume fixed Level	20	Press “►” to change 0/60.
			RC button	Respond	Press “►” to change Respond/No respond.
			Panel button	Respond	Press “►” to change Respond/No respond.
			Menu button	Respond	Press “►” to change Respond/No respond.
			Input mode start	Normal	Press “►” to change Normal/TV/SCART/…
			Input mode fixed	Variable	Press “►” to change Variable/Fixed.
			Input TV mode program number	0	Press “►” to change 0 → 1 → 2 ...999).
			RC path through	Off	Press “►” to change On/Off (required external module)
			Hotel mode	Off	Press “►” to change On/Off.
			Reset	►	Press “►” to return to factory settings.
			Commit	►	Press “►” to confirm.
			On screen display	On	Press “►” to change On/Off.
	8		SMART LOADER	SMART LOADER Submenu	Press “►” or “OK” to enter to SMART LOADER Submenu
		5/8	Save settings to USB	"Wait…" and "OK" when finish the process	Press “►” to Save.
			Load settings from USB	"Wait…" and "OK" when finish the process	Press “►” to Load.
	9		ADC ADJUST	ADC ADJUST Submenu	Press “►” or “OK” to enter to ADC ADJUST Submenu
		6/8	MODE	YPbPr(SD)	Only for Engineering purpose (Please don’t use)
			ADJUST	Int. signal	Only for Engineering purpose (Please don’t use)
			R-GAIN	272	Only for Engineering purpose (Please don’t use)

5. Adjustment process mode menu (continued)

Page	Line	Sub page	Item	Description	Remarks (adjustment details, etc.)
			G-GAIN	269	Only for Engineering purpose (Please don't use)
			B-GAIN	272	Only for Engineering purpose (Please don't use)
			R-OFFSET	2019	Only for Engineering purpose (Please don't use)
			G-OFFSET	2044	Only for Engineering purpose (Please don't use)
			B-OFFSET	2019	Only for Engineering purpose (Please don't use)
			AUTO ADC	►	Only for Engineering purpose (Please don't use)
	10		GAMMA	GAMMA Submenu	Press "►" or "OK" to enter to GAMMA Submenu
		7/8	MGAMMA IN1	40	W/B adjustment, gradation 1 input setting.
			MGAMMA IN2	80	W/B adjustment, gradation 2 input setting.
			MGAMMA IN3	120	W/B adjustment, gradation 3 input setting.
			MGAMMA IN4	160	W/B adjustment, gradation 4 input setting.
			MGAMMA IN5	200	W/B adjustment, gradation 5 input setting.
			MGAMMA IN6	240	W/B adjustment, gradation 6 input setting.
			Pattern	0	Selection of internal pattern from 0 to 6
			MGAMMA R1	40 inch / 46 inch 205 /168	W/B adjustment, gradation 1R adjustment value.
			MGAMMA G1	193 / 163	W/B adjustment, gradation 1G adjustment value.
			MGAMMA B1	207 / 166	W/B adjustment, gradation 1B adjustment value.
			MGAMMA R2	373 / 339	W/B adjustment, gradation 2R adjustment value.
			MGAMMA G2	360 / 328	W/B adjustment, gradation 2G adjustment value.
			MGAMMA B2	371 / 327	W/B adjustment, gradation 2B adjustment value.
			MGAMMA R3	537 / 511	W/B adjustment, gradation 3R adjustment value.
			MGAMMA G3	532 / 497	W/B adjustment, gradation 3G adjustment value.
			MGAMMA B3	534 / 494	W/B adjustment, gradation 3R adjustment value.
			MGAMMA R4	692 / 670	W/B adjustment, gradation 4R adjustment value.
			MGAMMA G4	691 / 651	W/B adjustment, gradation 4G adjustment value.
			MGAMMA B4	689 / 651	W/B adjustment, gradation 4B adjustment value.
			MGAMMA R5	837 / 823	W/B adjustment, gradation 5R adjustment value.
			MGAMMA G5	837 / 799	W/B adjustment, gradation 5G adjustment value.
			MGAMMA B5	831 / 800	W/B adjustment, gradation 5B adjustment value.
			MGAMMA R6	972 / 971	W/B adjustment, gradation 6R adjustment value.
			MGAMMA G6	970 / 945	W/B adjustment, gradation 6G adjustment value.
			MGAMMA B6	957 / 937	W/B adjustment, gradation 6R adjustment value.
			Commit	►	Press "►" for EEP writing of adjustment values.
	11		SYSTEM INFORMATION	SYSTEM INFORMATION Submenu	Press "►" or "OK" to enter to SYSTEM INFORMATION Submenu (Only for Engineering purpose, don't use)
		8/8	NOISE LEVEL	0	Informative. Only for Engineering purpose.
			GLOBAL MOTION	0	Informative. Only for Engineering purpose.
			BIT RATE	0	Informative. Only for Engineering purpose.
			VPS code	0x0	Informative. Only for Engineering purpose.
			830/1 code	0x0	Informative. Only for Engineering purpose.
			830/2 code	0x0	Informative. Only for Engineering purpose.

6. White Balance Adjustment

Condition:

- AV MODE= **Dynamic** (backlight at max.).
- Select correct Inch setting (40”or 46”) in “INIT” menu.
- Adjustments reference device: **Minolta CA-210**
- Adjustments target: **x=0.274, y=0.284**

High: adjustments spec ±0.001, inspection spec: ±0.002
Low: adjustments spec ±0.002, inspection spec: ±0.004

1. Press “▼” until selecting “GAMMA” option.
2. Press “OK”.
3. “GAMMA” menu appears.
4. Press “▼” until selecting “MGAMMA RESET”.
5. Press “►”, to restore default values.
6. Hold the default value for “MGAMMA G1”.
   (Note: next, try to get the (x, y) adjustments target, changing “MGAMMA R1” and “MGAMMA B1” as follow).
7. Press “▼” until selecting “MGAMMA R1”.
8. Press “►” to enter “Internal Adjustments Pattern 1”.
9. Press “◄ ►” until you obtain the desired value.
10. Press “END” to return to previous menu.
11. Press “▼” until selecting “MGAMMA B1”.
12. Press “►” to enter “Internal Adjustments Pattern 1”.
13. Press “◄ ►” until you obtain the desired value.
14. Press “END” to return to previous menu.
    (Note: In case of not being possible to achieve the desired (x, y) target, try to get it by changing also the “MGAMMA G1”)
15. Press “▼” until selecting “MGAMMA R2”.
16. Press “►” to enter “Internal Adjustments Pattern 2”.
17. Repeat from step 6 to 14 for the “MGAMMA R2” and “MGAMMA B2”.
18. Press “▼” until selecting “MGAMMA R3”.
19. Press “►” to enter “Internal Adjustments Pattern 3”.
20. Repeat from step 6 to 14 for the “MGAMMA R3” and “MGAMMA B3”.
21. Press “▼” until selecting “MGAMMA R4”.
22. Press “►” to enter “Internal Adjustments Pattern 4”.
23. Repeat from step 6 to 14 for the “MGAMMA R4” and “MGAMMA B4”.
24. Press “▼” until selecting “MGAMMA R5”.
25. Press “►” to enter “Internal Adjustments Pattern 5”.
26. Repeat from step 6 to 14 for the “MGAMMA R5” and “MGAMMA B5”.
27. Press “▼” until selecting “MGAMMA R6”.
28. Press “►” to enter “Internal Adjustments Pattern 6”.
29. Repeat from step 6 to 14 for the “MGAMMA R6” and “MGAMMA B6”.
30. Press “▼” until selecting “Commit”.
31. Press “►”, to save the new values.

NOTE:
For activating the W/B flag, only is necessary to send the order “Commit”. After this action, the “W” W/B flag will change to “1”.

7.Initialization to factory setting

Caution: When the factory settings haves been made, all user setting data, including the channel settings, are initialized.

The adjustments done in the adjustment process mode are not initialized.) Keep this in mind when initializing these settings.

1. Enter in Service Mode.
2. Press "▼" or "▲" key until selecting INIT.
3. Press OK key.
4. INIT menu appears and "Factory init" option is selected.
5. Press "►" and select the option desired (EURO/RUSSIA/NORDIC/UK/EAST EUROPE).
6. Press OK key and initialization starts.
7. WEST EURO OK message appears for EURO option when the setting is complete.
   RUSSIA OK message appears for EURO option when the setting is complete.
   NORDIC OK message appears for RUSSIA option when the setting is complete.
   UK OK message appears for UK option when the setting is complete.
   EAST EUROPE OK message appears when the setting is complete.

Note: Never turn the power off during initialization.

TV restarts in "Initial Installation" menu. The following settings will be back to their factory ones:

- User settings
- Channel data (e.g. Broadcast frequencies)
- Maker option setting
- Password data.

8. SMART LOADER

Description.

The Smartloader is a function implemented in the service software of SEES designed L730 series intended to easily replicate the user settings of one TV into another. These settings include (but not restricted to): picture and audio, tuning set-up, language and country selection, PIN, child locked programs… Factory adjustments are not copied as they are different for every TV.

The Smartloader makes possible the user data to be stored in a memory device connected to the USB terminal of the TV that is used as reference and later load those data into other TVs by using their respective USB terminal.

How it works.

In reference TV:

1. Insert a memory device in the USB slot.
2. Enter in service mode, select Factory Menu and SMARTLOADER option.
3. Select "Save settings to USB" and press the RIGHT cursor in the remote control.
4. Wait until "OK" is displayed, the file has been successfully created in the root directory of the memory device. In case of error, an explanation message is shown.

In TV to be cloned:

1. Insert a memory device with a file in it obtained following the above procedure.
2. Enter in service mode, select Factory Menu and SMARTLOADER option.
3. Select "Load settings from USB" and press the RIGHT button in the remote control.
4. After some seconds, "OK, reboot TV set" is displayed. In case of error, an explanation message is shown.
5. As indicated, reboot the TV to load the new settings.

Very important: All the TVs must have the same software version and hardware.

PUBLIC MODE

1. How to Enter in the Public Mode (Hotel Mode)

There are two following ways to display the Public Mode setting screen.

Method 1:

Turn on the power and enter in the Service mode as usual and select line 8 [PUBLIC MODE].

Method 2:

Unplug the AC power cord.
Plug the AC power cord. When the LED light blue, press "VOL+" and "⏻" keys at the same time.
Then, when you are asked for the password, enter "0027".
After this sequence the TV will turn on showing the Public Mode setting screen. In another case, the screen is erased, and it operates in the ordinary mode.

2. Public Mode Settings

1. POWER ON FIXED [VARIABLE ↔ FIXED]
   When it is set to "FIXED" the TV is impossible to be switch off by Main Switch or Remote Control.

2. MAXIMUM VOLUME [0 ↔ 60]
   Is possible to set the maximum volume at limited level.

3. VOLUME FIXED [VARIABLE ↔ FIXED]
   Is possible to fix the sound volume at limited level.
   When "FIXED" is selected the sound volume before limited is fixed.

4. VOLUME FIXED LEVEL [0 ↔ 60]
If "FIXED" has been selected, is possible to set a fixed volume at the level that is chosen.

5. RC BUTTON [RESPOND ↔ NO RESPOND]
   If "NO RESPOND" is selected, the remote control keys are inoperative.

6. PANEL BUTTON [RESPOND ↔ NO RESPOND]
   If "NO RESPOND" has been selected, the set's keys remain deactivated (Except POWER key).

7. MENU BUTTON [RESPOND ↔ NO RESPOND]
   If "NO RESPOND" has been selected, "MENU" key, of remote control, is inoperative.

8. ON SCREEN DISPLAY [On ↔ Off]
   If "OFF" has been selected, the On Screen Display does not appear.

9. INPUT MODE START [DTV → ATV → AV → SCART-AV → COMPONENTS → PC-RGB → HDMI1 → HDMI2 → HDMI3 → HDMI4]
   When any other item than "NORMAL" has been selected, the sets will start in a selected input mode at the next power-on.

2. Public Mode Settings (continued)

10. INPUT MODE FIXED [VARIABLE → FIXED]
"FIXED" has been selected, any channels and input modes other than those selected at the start mode cannot be picked up.

11. INPUT TV MODE PROGRAM NUMBER [1-999]
When any other item than "NORMAL", i.e. number, has been selected, and "INPUT MODE START" option is set to "TV", the sets will start in the selected service / program number at the next power-on.

12. RC PATH THROUGH [ON ↔ OFF]
When ON and RS-232 circuitry is really assembled , in pin #9 of RS-232 socket appears a feedback of the remote signal (3.3v logic type).

13. HOTEL MODE [ON ↔ OFF]
If ON has been selected the HOTEL MODE is activated.

14. RESET
Cancel all Public Mode settings. (It returns to the factory settings)

15. COMMIT
Press OK to select this item, or press cursor RIGHT / LEFT keys on the remote control to apply the change. If "YES" is selected the change will be stored and the TV set will be reset.

SOFTWARE UPGRADING

1. Main Unit Software Upgrading (USB)

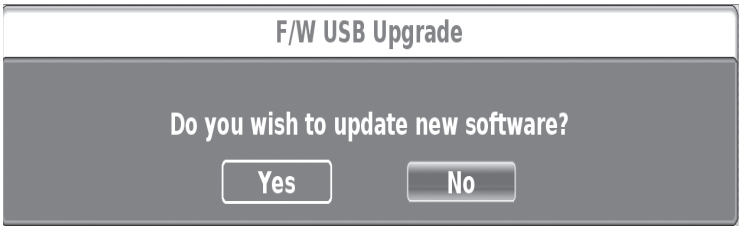
1.1. Introduction

1.1.1. In order to proceed with the Software Updating do not enter into Service Mode.

1.2. Procedure

1.2.1. Insert the USB memory into a side USB terminal with the file name "**zTVApp_Complete.zimage**" on the root directory.

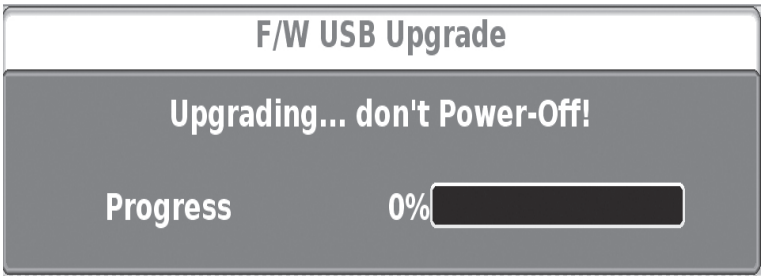
1.2.2. Once detected the USB it will appear on screen the following request:



1.2. 3. Press "◄" until selecting "Yes".

1.2. 4. Press "**OK**".

- The software update process starts.



- "Software upgrading progress **%" message appears.

NOTE: During the upgrading process, do not power-off the TV set.

- Once finished the process the following success or failed message appears .

1.2. 5. Remove the USB Drive.

1.2. 6. Press OK to reset the TV.

1.2.7. In case of failure, please repeat the upgrade process again.

MAJOR ICs INFORMATION

1. General ICs Information

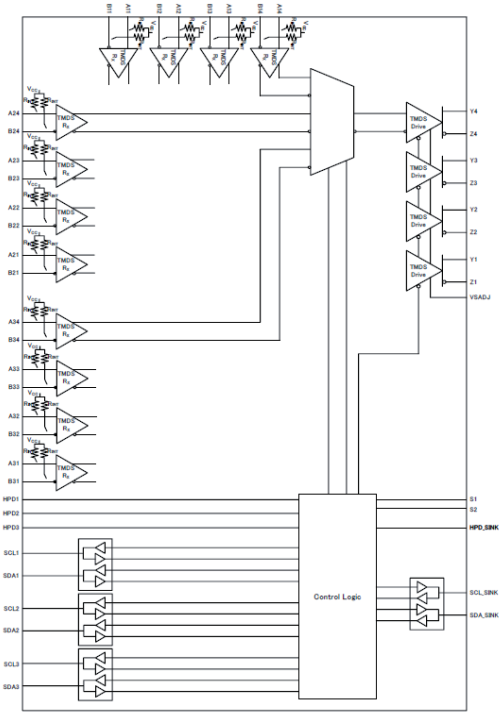
DUNTKF915WE (Main Unit)

• IC 1505: HDMI Switch 3 inputs to 1 output.
Part number: BU16028KV
Sharp code: VHIBU16028K-1Q
http://www.rohm.com/products/databook/video/pdf/bu16006kv-e.pdf

Features:

- Supports 2.25 Gbps Signaling Rate for 480i/p, 720p, and 1080i/p Resolution to 12-Bit Color Depth.
- Compatible with HDMI 1.3a.
- 5V Tolerance to all DDC and HPD_SINK Inputs.
- Integrated Switchable 50ΩΩReceiver Termination.
- Integrated DDC buffer.
- Integrated Equalizer circuit to adapt long cable.

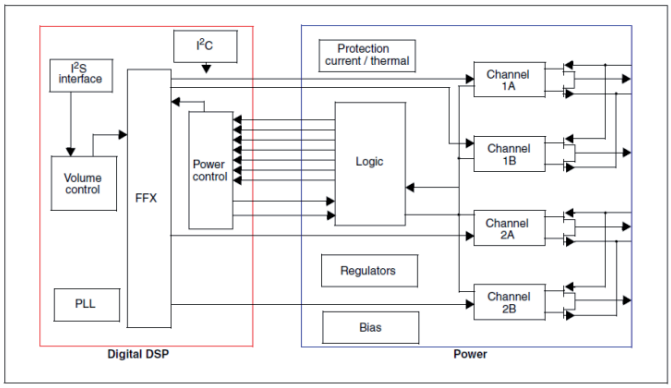
Block Diagram



- **IC 2701 :** Audio Power.

Part number: STA333BW13TR
Sharp code: VHISTA333BW-1L.
http://www.st.com/internet/com/TECHNICAL_RESOURCES/TECHNICAL_LITERATURE/DATASHEET/CD00166760.pdf

Features:
- Wide-range supply voltage, 4.5 V to 21.5 V.
- Three power output configurations:
  - 2 channels of ternary PWM (2 x 20 W into 8 Ω at 18 V) + PWM output.
  - 2 channels of ternary PWM (2 x 20 W into 8 Ω at 18 V) + ternary stereo line-out.
  - 2.1 channels of binary PWM (left, right, LFE) (2 x 9 W into 4 Ω +1 x 20 W into 8 at 18 V).
- FFX with 100-dB SNR and dynamic range.
- Scalable FFX modulation index.
- Selectable 32- to 192-kHz input sample rates.
- I2C control with selectable device address.
- Digital gain/attenuation +48 dB to -80 dB with 0.5-dB/step resolution.
- Soft volume update with programmable ratio.
- Individual channel and master gain/attenuation.
- Dynamic range compression (DRC) or anti-clipping mode.
- Audio presets:
  - 15 preset crossover filters.
  - 5 preset anti-clipping modes.
  - Preset night-time listening mode.
- Individual channel soft/hard mute.
- Independent channel volume and DSP bypass.
- I2S input data interface.
- Input and output channel mapping.
- Automatic invalid input-detect mute.
- Up to 5 user-programmable bi-quads by channel.
- Three coefficients banks for EQ presets storing with fast recall via I2C interface.
- Bass/treble tones and de-emphasis control.
- Selectable high-pass filters for DC blocking.
- Advanced AM interference frequency switching and noise suppression modes.
- Sub channel mix into left and right channels.
- Selectable high- or low-bandwidth noise-shaping topologies.

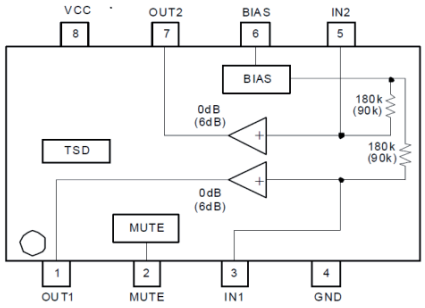


1. General ICs Information (continued)

- Selectable clock input ratio.
- 96-kHz internal processing sample rate.
- Thermal overload and short-circuit protection technology
- Video apps: 576 x fs input mode supported.

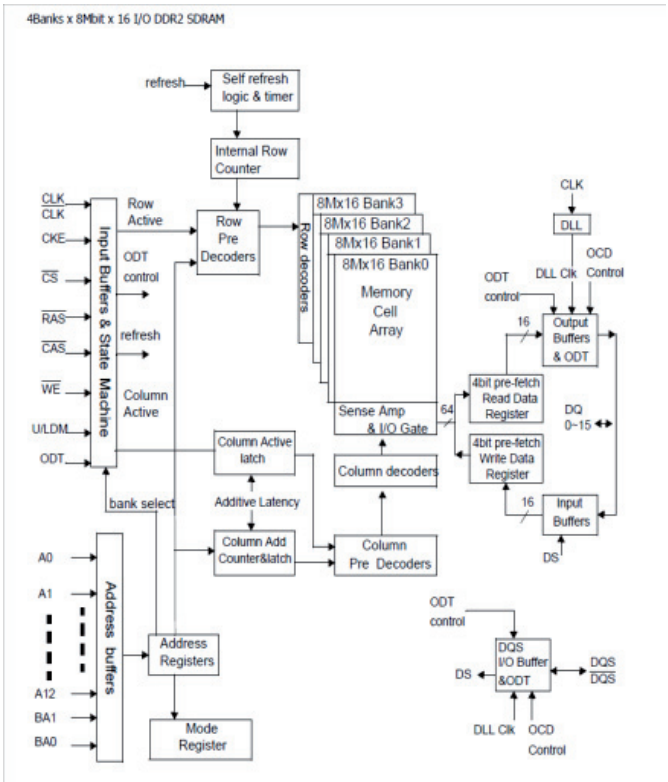
• IC 2702: Headphone Amplifier.
Part number: BH3547-E2
Sharp code : VHIBH3547F+-1L.
http://www.rohm.com/products/databook/audio/pdf/bh3541f-e.pdf
http://www.datasheetarchive.com/BH3541F-datasheet.html

BH3547F is a headphone amplifier suitable for portable products and includes a fixed gain of 6dB. Also it has mute functions that make it easy to prevent pop noise when power supply turns on/off. Moreover, thermal shutdown function is built-in. Additionally, the BH3547F can drive 16/32Ω loads.



( ) are BH3544F, BH3547F, BH3548F values.

• IC 3601 : DDRII FRC
Part number: H5PS5162GFR-G7C
Sharp code: RH-IXD504WJQZQ
http://www.hynix.com/products/graphics/view.jsp?info.ramKind=18&info.serialNo=H5PS5162FFR&posMap=EOL

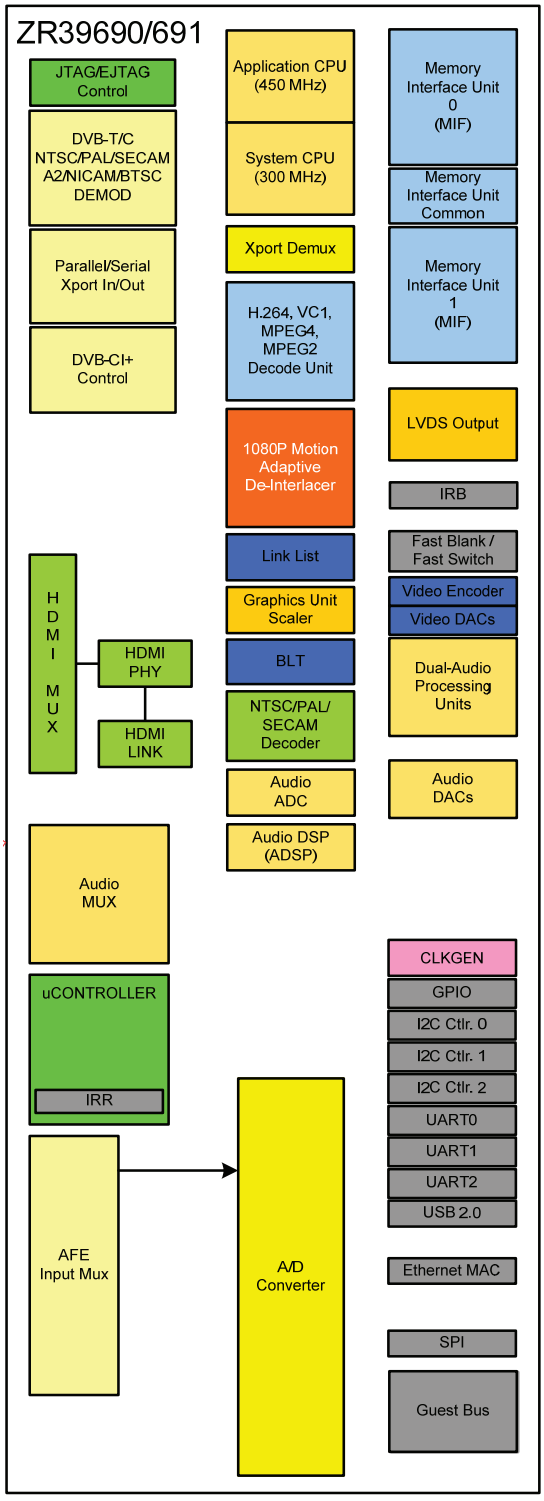


• VDD/VDDQ= 2.0V +/- 0.1V(600/500 MHz)
• VDD/VDDQ= 1.8V +/- 0.1V(500/400 MHz)
• All inputs and outputs are compatible with SSTL_18 interface
• Fully differential clock inputs (CK, /CK) operation
• Double data rate interface
• Source synchronous-data transaction aligned to bidirectional data strobe (DQS, DQS)
• Differential Data Strobe (DQS, DQS)
• Data outputs on DQS, DQS edges when read (edged DQ)
• Data inputs on DQS centers when write(centered DQ)
• On chip DLL align DQ, DQS and DQS transition with CK transition
• DM mask write data-in at the both rising and falling edges of the data strobe
• All addresses and control inputs except data, data strobes and data masks latched on the rising edges of the clock
• Programmable CAS latency from 3 to 7 supported
• Programmable additive latency 0, 1, 2, 3, 4, 5 and 6 supported
• Programmable burst length 4/8 with both nibble sequential and interleave mode
• Internal four bank operations with single pulsed RAS
• Auto refresh and self refresh supported
• tRAS lockout supported
• 8K refresh cycles /64ms
• JEDEC standard 84ball FBGA(x16)
• Full strength driver option controlled by EMRS
• On Die Termination supported
• Off Chip Driver Impedance Adjustment supported
• Self-Refresh High Temperature Entry
• High Temperature Self Refresh rate supported
• Average Refresh Period 7.8us at lower than Tcase 85°C, 3.9us at 85°C<Tcase<95°C

1. General ICs Information (continued)

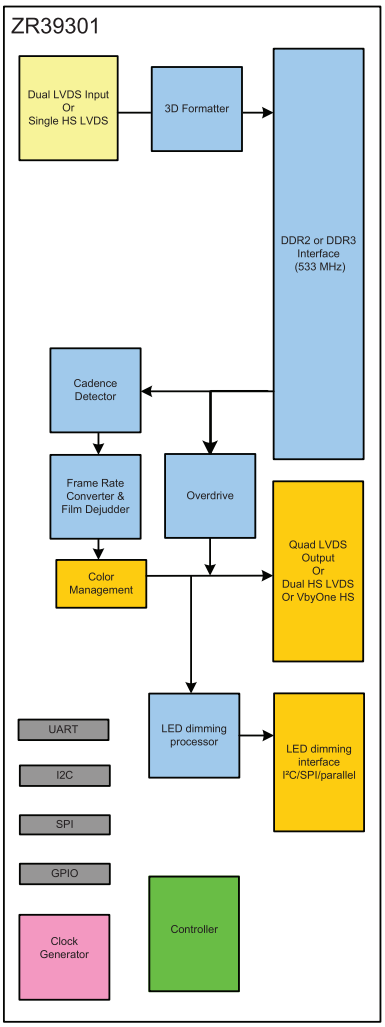
• IC 3301: SOC SupraHD691
Part number: ZR39691HGCG-X
Sharp code: RH-IXD425WJZZQ.

- **Integrated Digital & Analog Demodulator**
  DVB-T/DVB-C.
  NTSC/PAL/SECAM.
  NICAM/A2/BTSC/FM/AM.
- **Integrated Digital & Analog Demodulator**
  NTSC/PAL/SECAM video decoder.
  Multiformat H.264/ MPEG-4/VC1/MPEG-2/AVS/RM/DivX/Xvid decoder.
  3D video processing (SupraHD® 691 only).
  10-bit video processing.
  1080i motion-adaptive de-interlacer.
  ACM-2D color processor.
  Graphics blending/overlay.
  Audio DSP, dual-stream audio decoding.
- **System Processors & Interfaces**
  450MHz application CPU.
  300MHz system CPU.
  TV microcontroller for standby mode.
  Integrated Ethernet MAC.
  USB 2.0.
  DVB CI/CI+.
- **External SPI Flash Memory: 2-16Mbyte**
- **External NAND Flash Memory: Up to 1Gbit**
- **External DDR2 or DDR3 Required**
- **Package**
  575-ball BGA, 23x23mm2



1. General ICs Information (continued)

• IC 3701 : FRC
Part number: ZR39301BGCG-TRAY
Sharp code: RH-IXD378WJZZQ



- Enable 100/120 Hz panels in any design.
- LCD motion blur reduction.
- Film judder removal.
- Enable 3D polarized/Shutter glass display.
- Frame reate conversión 24 to 50/60 or 100/120, 50/60 to 100/120.
- Other frame rate available (48,72,96,…).
- Automatic cadence detection (3/2,2/2,…).
- Spread spectrum support for DDR2 and LVDS with integrated 3D formatter.
- Black bar detection.
- Low video latency, game mode support.
- True internal 11-bit processing on 4:4:4 color space.
- Overdrive.
- LED local dimming processor direct and edge with pixel compensation.
- Dual LVDS input, quad LVDS output.
- Single HS LVDS input and Dual HS LVDS output.
- VbyOneHS output.
- 16-bit DDR2/3-1066Mbit interface.
- Power
  - 1.2V core voltaje, 1.8V or 1.5V Memory, 2.5/3.3V I/O
- Packaging
  - BGA package 23x23 mm Plastic Ball Grid Array package
  - 328 balls
  - Fully-Green.

• IC 3501 & IC 3502 : DDR3 SDRAM
Part number: K4B2G1646C-HCH9
Sharp code: RH-IX242WJQZQZ
http://www.samsung.com/global/system/business/semiconductor/product/2009/1/13/925951ds_k4b2gxx46b_rev10.pdf

The 2Gb DDR3 SDRAM B-die is organized as a 32Mbit x 4 I/Os x 8banks, 16Mbit x 8 I/Os x 8banks or 8Mbit x 16 I/Os x 8 banks device. This synchronous device achieves high speed double-data-rate transfer rates of up to 1600Mb/sec/pin (DDR3-1600) for general applications. The chip is designed to comply with the following key DDR3 SDRAM features such as posted CAS, Programmable CWL, Internal (Self) Calibration, On Die Termination using ODT pin and Asynchronous Reset. All of the control and address inputs are synchronized with a pair of externally
supplied differential clocks. Inputs are latched at the crosspoint of differential clocks (CK rising and CK falling). All I/Os are synchronized with a pair of bidirectional strobes (DQS and DQS) in a source synchronous fashion. The address bus is used to convey row, column, and bank address information in a RAS/CAS multiplexing style.

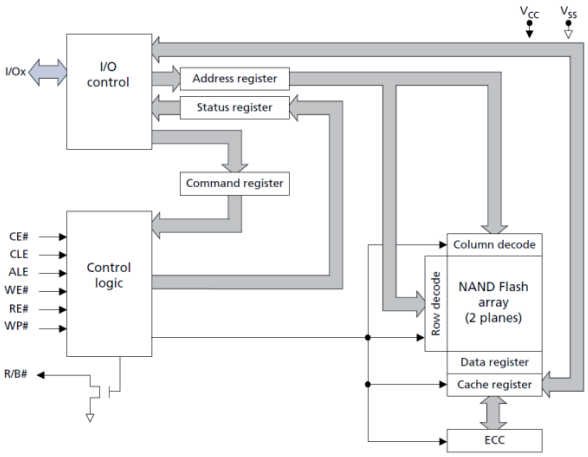
Features:

- JEDEC standard 1.5V ± 0.075V Power Supply.
- VDDQ = 1.5V ± 0.075V.
- 400 MHz fCK for 800Mb/sec/pin, 533MHz fCK for 1066Mb/sec/pin, 667MHz fCK for 1333Mb/sec/pin, 800MHz fCK for 1600Mb/sec/pin.
- 8 Banks.
- Posted CAS.
- Programmable CAS Latency(posted CAS): 6, 7, 8, 9, 10.
- Programmable Additive Latency: 0, CL-2 or CL-1 clock.
- Programmable CAS Write Latency (CWL) = 5 (DDR3-800), 6 (DDR3-1066), 7 (DDR3-1333) and 8 (DDR3-1600).
- 8-bit pre-fetch.
- Burst Length: 8 (Interleave without any limit, sequential with starting address “000” only), 4 with tCCD = 4 which does not allow seamless read or write [either On the fly using A12 or MRS].
- Bi-directional Differential Data-Strobe.
- Internal(self) calibration : Internal self calibration through ZQ pin (RZQ : 240 ohm ± 1%).
- On Die Termination using ODT pin.
- Average Refresh Period 7.8us at lower than TCASE 85°C, 3.9us at 85°C < TCASE < 95 °C.
- Asynchronous Reset.
- Package : 96 balls FBGA - x16.

1. General ICs Information (continued)

• **IC8401:** NAND FLASH
Part number: MT29F1G08ABADAWP:D
Sharp code: RH-IXD352WJZZQ
http://datasheet.elcodis.com/pdf2/64/96/649636/mt29f1g08abadawp-itd.pdf

Micron NAND Flash devices include an asynchronous data interface for high-performance I/O operations. These devices use a highly multiplexed 8-bit bus (I/Ox) to transfer commands, address, and data. There are five control signals used to implement the asynchronous data interface: CE#, CLE, ALE, WE#, and RE#. Additional signals control hardware write protection and monitor device status (R/B#).
This hardware interface creates a low pin-count device with a standard pinout that remains the same from one density to another, enabling future upgrades to higher densities with no board redesign. A target is the unit of memory accessed by a chip enable signal. A target contains one or more NAND Flash die. A NAND Flash die is the minimum unit that can independently execute commands and report status. A NAND Flash die, in the ONFI specification, is referred to as a logical unit (LUN). There is at least one NAND Flash die per chip enable signal. For further details, see Device and Array Organization.
This device has an internal 4-bit ECC that can be enabled using the GET/SET features.



• **IC9501:** Single Port 10/100 Fast Ethernet Transceiver
Part number: IP101A LF
Sharp code: RH-IXD309WJZZY
http://www.icplus.com.tw/Data/Datasheet/IP101A%20LF-DS-R20-20101013.pdf

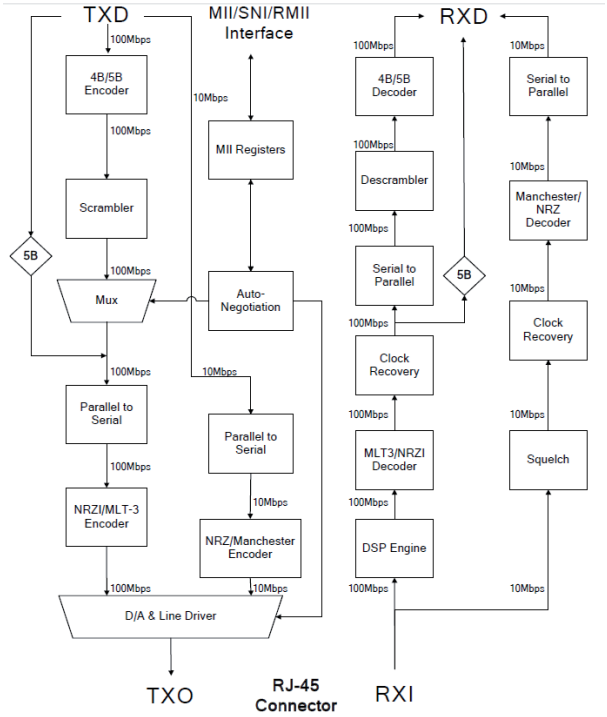
IP101A is an IEEE 802.3/802.3u compliant single-port Fast Ethernet Transceiver for both 100Mbps and 10Mbps operations. It supports Auto MDI/MDIX function to simplify the network installation and reduce the system maintenance cost. To improve the system performance, IP101A provides a hardware interrupt pin to indicate the link, speed and duplex status change. IP101A also provides Media Independent Interface (MII) / Serial Network Interface (SNI) or Reduced Media Independent Interface (RMII) to connect with different types of 10/100Mb Media Access Controller (MAC).

IP101A is designed to use category 5 unshielded twisted-pair cable connecting to other LAN devices.

IP101A Transceiver is fabricated with advanced CMOS technology, which the chip only requires 3.3V as power supply and consumes very low power in the Auto Power Saving mode. IP101A can be implemented as Network Interface Adapter with RJ-45 for twisted-pair connection. It can also be easily implemented into HUB, Switch, Router, Access Point.

Features:

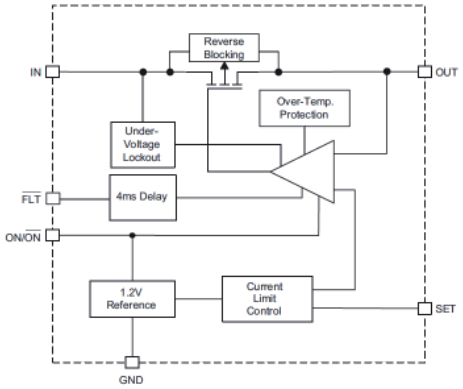
- 10/100Mbps TX.
- Full-duplex or half-duplex.
- Supports Auto MDI/MDIX function.
- Fully compliant with IEEE 802.3/802.3u.
- Supports IEEE 802.3u auto-negotiation.
- Supports MII / RMII / SNI interface.
- IEEE 802.3 full duplex control specification.
- Supports Automatic Power Saving mode.
- Supports BaseLine Wander (BLW) compensation.
- Supports Interrupt function.
- Supports repeater mode.
- Single 3.3V power supply with built-in 2.5V requlator.
- DSP-based PHY Transceiver technology.
- Using either 25MHz crystal or 50MHz oscillator REF_CLK as clock source.
- Flexible LED display for speed, duplex, link, activity and collision.
- Supports flow control to communicate with other MAC through MDC and MDIO.
- 0.25μ,CMOS technology.
- 48-pin LQFP.



1. General ICs Information (continued)

• **IC9551:** Adjustable Current Limited Load Switch with Fault Flag (USB1).
Part number: AAT4614IGU-2-T1
Sharp code: RH-IXD187WJZZY
http://www.google.es/url?q=http://www.analogictech.com/uploads/download.php%3Ftype%3Ddatasheet%26PID%3D156&sa=U&ei=VGjcTuL9B8XQ4QToq4z5DQ&ved=0CB0QFjAG&usg=AFQjCNEyvSA3IeYT7JGdgULPf6cR6e0FVg

The AAT4614 SmartSwitch is a current limited P-channel MOSFET power switch designed for high side load switching applications. This switch operates with inputs ranging from 2.4V to 5.5V, making it ideal for both 3V and 5V systems. An integrated current-limiting circuit protects the input supply against large currents which may cause the supply to fall out of regulation. Reverse current blocking is provided to protect the load switch from reverse current potentials while the device is shutdown.
The AAT4614 is also protected from thermal overload which is limited by power dissipation and junction temperatures. Current limit threshold is programmed with a resistor from SET to ground and may be adjusted for levels up to 1.4A. The ultra-fast current limit response to a sudden short circuit is a mere 1µs which reduces the requirements of local supply bypassing. An open drain FAULT flag signals an over-current or over-temperature condition after a 4ms blanking time to prevent false reporting. Quiescent current is a low 10µA and the supply current decreases to less than 1µA in shutdown mode.



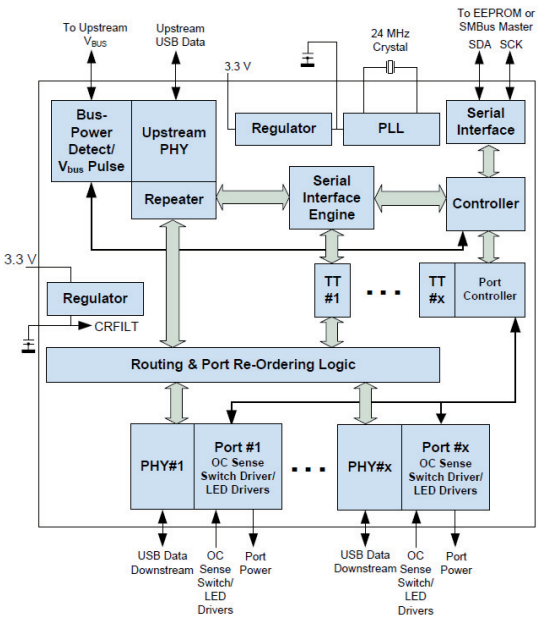
The AAT4614 is offered in the 8-pin SC70JW, SOT23-6 and SOT23-5 packages, and is specified for operation over the -40°C to +85°C ambient temperature range.

Features.

- Input Voltage Range: 2.4V to 5.5V.
- Programmable Over-Current Threshold.
- Fast Transient Response:
  - 1µs Response to Short Circuit.
- Low Quiescent Current.
  - 10µA Typical while Enabled.
  - 1µA Max with Switch Off (TA = 25°C).
- 160mΩ Typical RDS(ON).
- Only 2.4V Needed for ON/OFF Control.
- Under-Voltage Lockout.
- Reverse Blocking During Disable.
- 4ms Fault Blanking.
- Fault Flag Open Drain Output (Not Available for SOT23-5 Package).
- Active Hi/Lo Enable Options.
- Over-Temperature Protection.
- 4kV ESD Rating.
- 6-Pin SOT23, 5-Pin SOT23,or 8-Pin SC70JW.

• **IC9552:** USB 2.0 Hi-Speed Hub Controller
Part number: USB2514B-AEZG
Sharp code: VHI2514BAEZ-1Q
http://pdf1.alldatasheet.com/datasheet-pdf/view/312076/SMSC/USB2514B-AEZG.html

The SMSC USB251x hub is a family of low-power, OEM configurable, MTT (multi transaction translator)1 hub controller IC products for embedded USB solutions. The “x” in the part number indicates the number of downstream ports available. The SMSC hub supports low-speed, full-speed, and hi-speed (if operating as a hispeed hub) downstream devices on all of the enabled downstream ports.



Features

- Full power management with individual or ganged power control of each downstream port.
- Fully integrated USB termination and pull-up/pulldown resistors.
- Supports a single external 3.3 V supply source; internal regulators provide 1.2 V or 1.8 V internal core voltaje.
- On-chip driver for 24 MHz crystal resonator or external 24/48 MHz clock input.

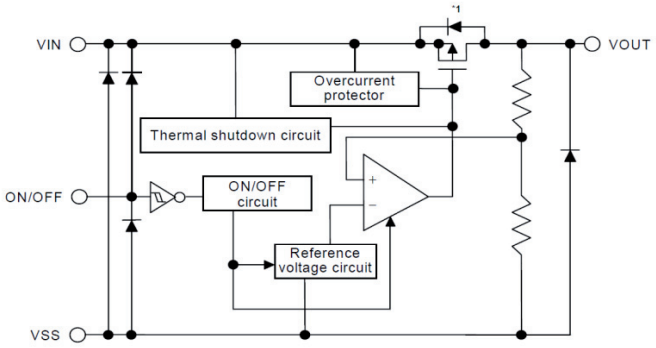
1. General ICs Information (continued)

- Customizable vendor ID, product ID, and device ID.
- ESD protection up to 4 kilovolts on all USB pins.
- Supports self- or bus-powered operation.
- USB251xB2 and USB251xBi products support the USB Battery Charging specification.
- Package: 36-pin QFN (6x6 mm).

• IC9553: Low Dropout LDO (USB2)
Part number: S-1170B50UC-OUJTFG
Sharp code: VHIS170B50U-1Y
http://datasheet.sii-ic.com/en/voltage_regulator/S1170_E.pdf

The S-1170 Series is a positive voltage regulator with a low dropout voltage (LDO), high output voltage accuracy, and low current consumption developed based on CMOS technology.
A built-in low on-resistance transistor provides a low dropout voltage and large output current, a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor, and a built-in thermal shutdown circuit prevents damage caused by the heat. An ON/OFF circuit ensures a long battery life. Compared with the voltage regulators using the conventional CMOS process, a larger variety of capacitors are available, including small ceramic capacitors. Small SOT-89-5 and 6-Pin HSON(A) packages realize high-density mounting.

Features
- Output voltage: 1.5 V to 5.5 V, selectable in 0.1 V steps.
- High-accuracy output voltage: ±1.0%.
- Low dropout voltage (LDO): 120 mV typ. (3.0 V output product, Iout =300 mA).
- Low current consumption: During operation 80 µA typ. 160 µA max., During shutdown 0.1 µA typ. 1.0 µA max.
- High peak current capability: 800 mA output is possible (@ Vin ≥Vout(S) +1.0 V) *1
- Built-in ON/OFF circuit: Ensures long battery life.
- Low ESR capacitor can be used: A ceramic capacitor of 4.7 µF or more can be used for the output capacitor.
- High ripple rejection: 70 dB typ. (@ 1.0 kHz)
- Built-in overcurrent protector: Overcurrent of output transistor can be restricted.
- Built-in thermal shutdown circuit: Damage caused by heat can be prevented.
- Package: SOT-89-5, 6-pin HSON(A).



*1. Parasitic diode

• IC9553: 2Mbit SPI-FLASH Memory
Part number: W25X20BV
Sharp code: RH-IXD084WJZZY
http://www.winbond.com/NR/rdonlyres/AEC6E481-6616-4555-B339-6E79D17810AC/0/W25X10BV_W25X20BV_W25X40BV.pdf

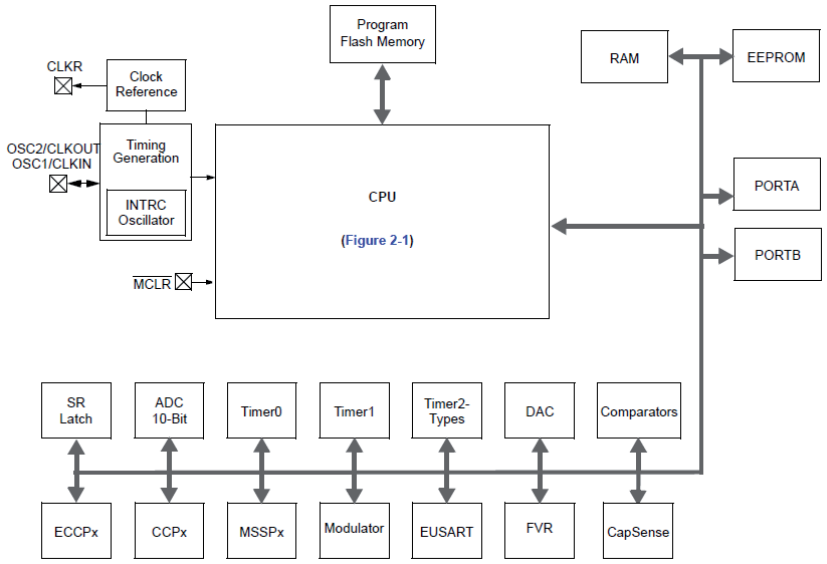
- Single and Dual Serial Peripheral Interface.
- Uniform 4KB erasable sectors & 32KB/64KB erasable blocks.
- 1024 pages (256 bytes), page program in 0.7mS (typ.)
- Fast Read (0Bh), Fast Read Dual Output (3Bh) and Fast Read Dual I/O (BBh) instructions.
- Clock operation up to 104MHz (208MHz equivalent with Fast Read Dual Output).
- 2.7 to 3.6V power supply.
- 4mA active read current, 1µA power down current.
- -40° to +85°C operating range.
- Electronic ID in Single or Dual I/O mode.
- Read Unique ID (4Bh) instruction.
- Hardware and software write protection for top or bottom blocks.

1. General ICs Information (continued)

RUNTKA880WJPA2 (Touch & Led Unit)

• **U1:** 8-Bit Flash Microcontroller
Part number: PIC16F1827
Sharp code: ---
http://ww1.microchip.com/downloads/en/DeviceDoc/41391D.pdf

High-Performance RISC CPU:



- Only 49 Instructions, including 14 new "C compiler-friendly" Instructions.
- Operating Speed:
  - DC – 32 MHz clock input
  - DC – 125 ns instruction cycle
- Interrupt Capability with Automatic Context Saving.
- 16-Level Deep Hardware Stack with Optional Overflow/Underflow Reset.
- Direct, Indirect and Relative Addressing modes:
  - Two full 16-bit File Select Registers (FSRs).
  - FSRs can read program and data memory.

Special Microcontroller Features:

- Precision Internal Oscillator:
  - Factory calibrated to ±1%, typical.
  - Software selectable frequency range from 32 MHz to 31 kHz.
- 31 kHz Low-Power Internal Oscillator.
- External Oscillator Block with:
  - 4 crystal/resonator modes up to 32 MHz using 4xPLL.
  - 3 external clock modes up to 32 MHz.
- 4x Phase Locked Loop (PLL).
- Fail-Safe Clock Monitor.
- Two-Speed Start-up.
- Power-Saving Sleep mode.
- Power-on Reset (POR).
- Power-up Timer (PWRT).
- Oscillator Start-up Timer (OST).
- Brown-out Reset (BOR) with Selectable Trip Point.
- Extended Watch-Dog Timer (WDT).
- In-Circuit Serial Programming™ (ICSP™).
- In-Circuit Debug (ICD).
- Enhanced Low-Voltage Programming (LVP).
- Operating Voltage Range:
  - 1.8V to 3.6V (PIC16LF182X).
  - 1.8V to 5.5V (PIC16F182x).
- Programmable Code Protection.
- Self-Programmable under Software Control.

Low-Power Features:

- Standby Current (PIC16LF182X):
  - 100 nA @ 1.8V, typical.
- Operating Current (PIC16LF182X):
  - 150 mA @ 1 MHz, 1.8V, typical.
- Low-Power Watchdog Timer Current (PIC16LF182X):
  - 1.0 A @ 1.8V, typical

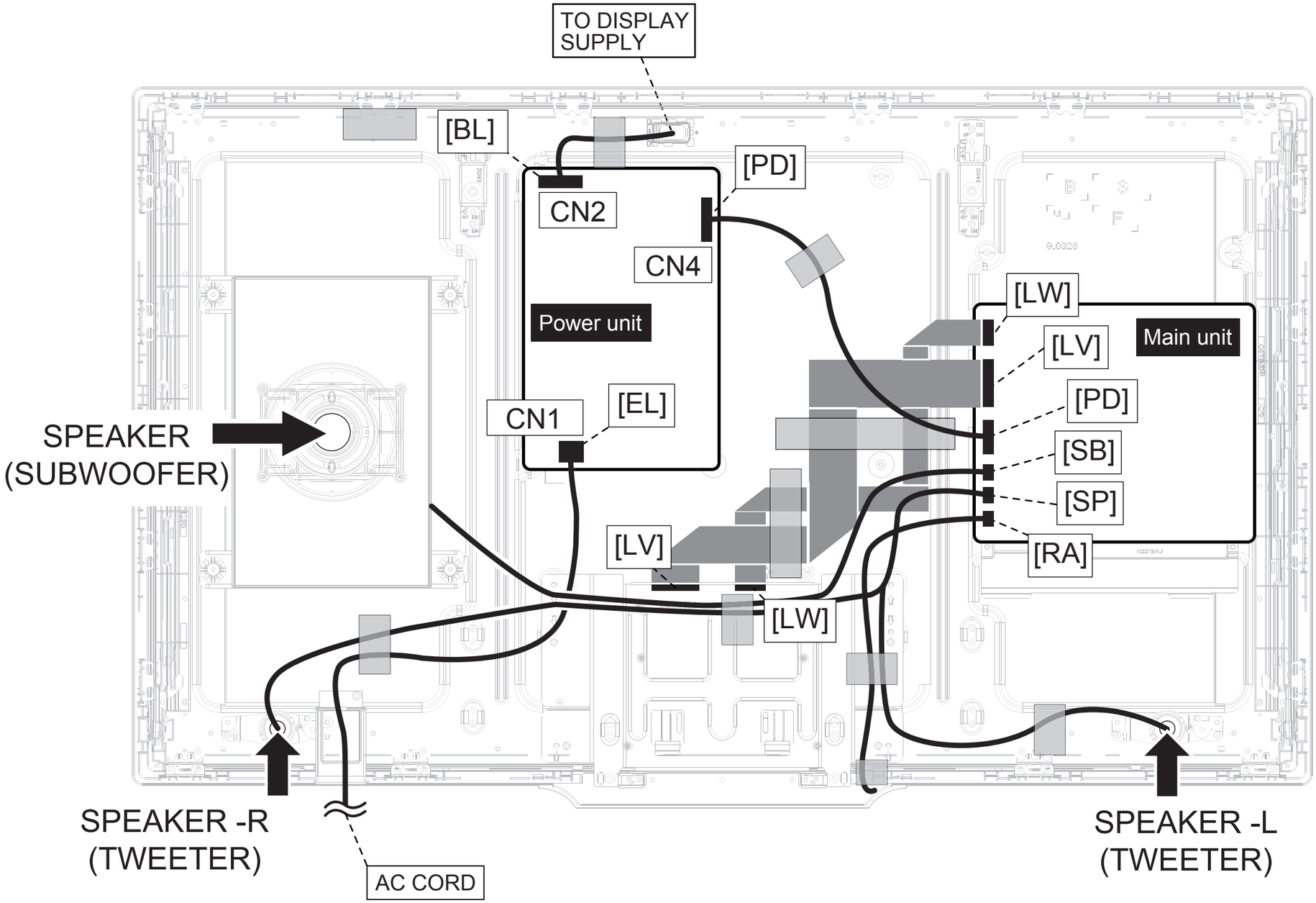
1. General ICs Information (continued)

Peripheral Features:

- Up to 15 I/O Pins and 1 Input-only Pin:
  - High current sink/source for LED drivers.
  - Individually programmable interrupt-on change pins
  - Individually programmable weak pull-ups.
- Timer0: 8-Bit Timer/Counter with 8-Bit Programmable Prescaler.
- Enhanced Timer1:
  - 16-bit timer/counter with prescaler.
  - External Gate Input mode.
  - Dedicated low-power 32 kHz oscillator driver.
- Timer 2, 4, 6: 8-Bit Timer/Counter with 8-Bit Period Register, Prescaler and Postscaler.
- Up to two Enhanced Capture, Compare, PWM modules (ECCP):
  - Software selectable time bases.
  - Auto-shutdown and auto-restart.
  - PWM steering.
- Up to two Capture/Compare/PWM modules (CCP):
  - Software selectable time bases.
- Up to two Master Synchronous Serial Port (MSSP) with SPI and I2CTM with:
  - 7-bit address masking.
  - SMBus/PMBusTM compatibility.
- Enhanced Universal Synchronous Asynchronous Receiver Transmitter (EUSART):
  - RS-232, RS-485 and LIN compatible.
  - Auto-Baud Detect.
  - Auto-wake-up on start.
- SR Latch (Integrated 555 Timer):
  - Multiple Set/Reset input options.
- Analog-to-Digital Converter (ADC):
  - 10-bit resolution.
  - Up to 12 channels.
- 2 Comparators:
  - Rail-to-rail inputs.
  - Power mode control.
  - Software controllable hysteresis.
- Voltage Reference module:
  - Fixed Voltage Reference (FVR) with 1.024V, 2.048V and 4.096V output levels.
  - 5-bit rail-to-rail resistive DAC with positive and negative reference selection.
- mTouch™ Sensing oscillator module.
  - Up to 12 channels for button, sensor or slider input.
- Data Signal Modulator module.
  - Select modulator and carrier sources from various module outputs.

OVERALL WIRING DIAGRAMS

40” OVERALL WIRING DIAGRAMS



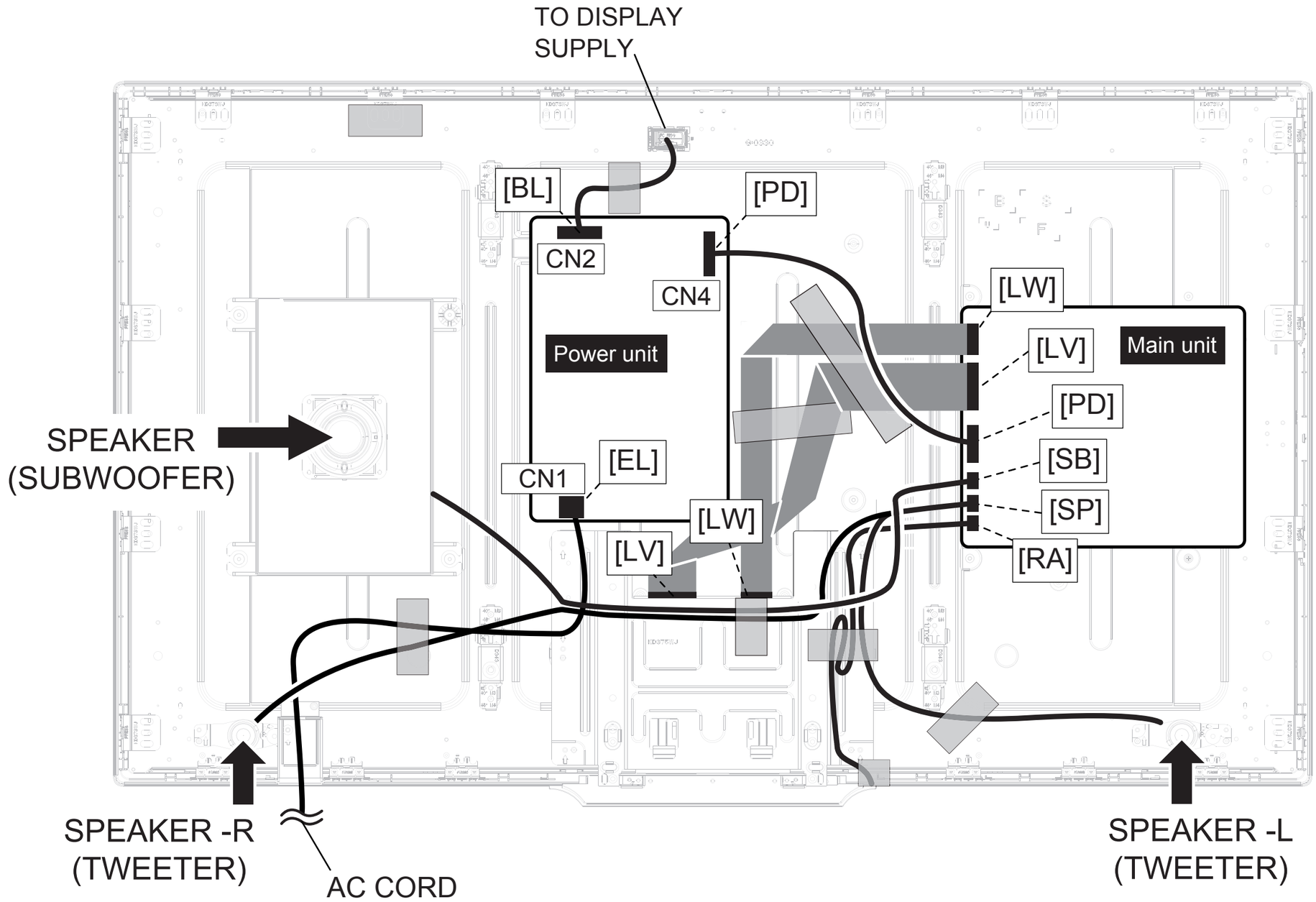
WIRES

LW	310431114481
LV	310431115371
PD	QCNW-M004WJQZ
AC CORD	QACCKA058WJPZ

OTHER

PANEL	R1LK400D3LB43A
POWER SUPPLY	RDENCA440WJQZ
MAIN BOARD	DUNTKF915FM11
SPEAKER TWEETER	RSP-ZA595WJZZ
SPEAKER SUBWOOFER	RSP-ZA594WJZZ

46” OVERALL WIRING DIAGRAMS



WIRES

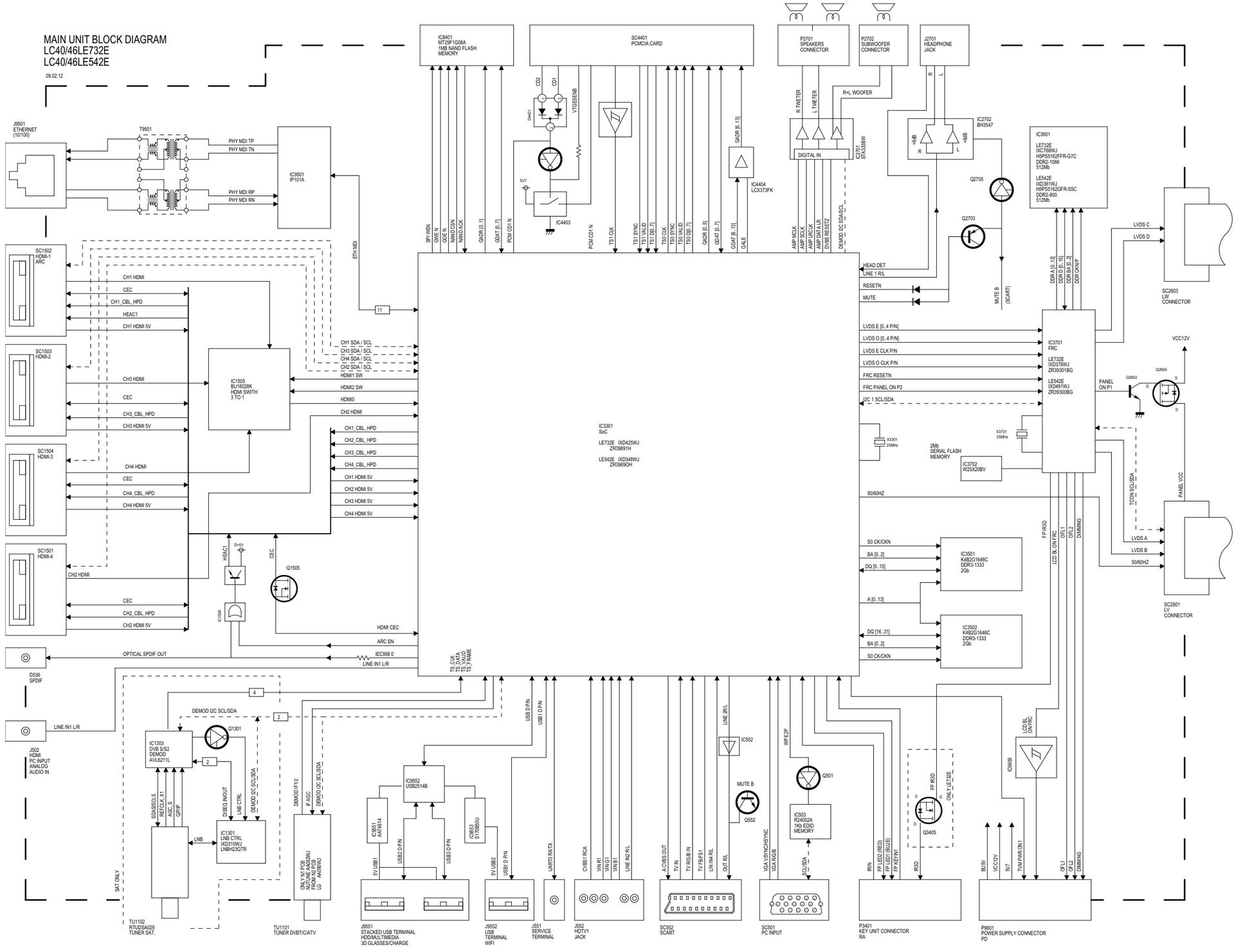
LW	310431114481
LV	310431115371
PD	QCNW-M004WJQZ
AC CORD	QACCKA058WJPZ

OTHER

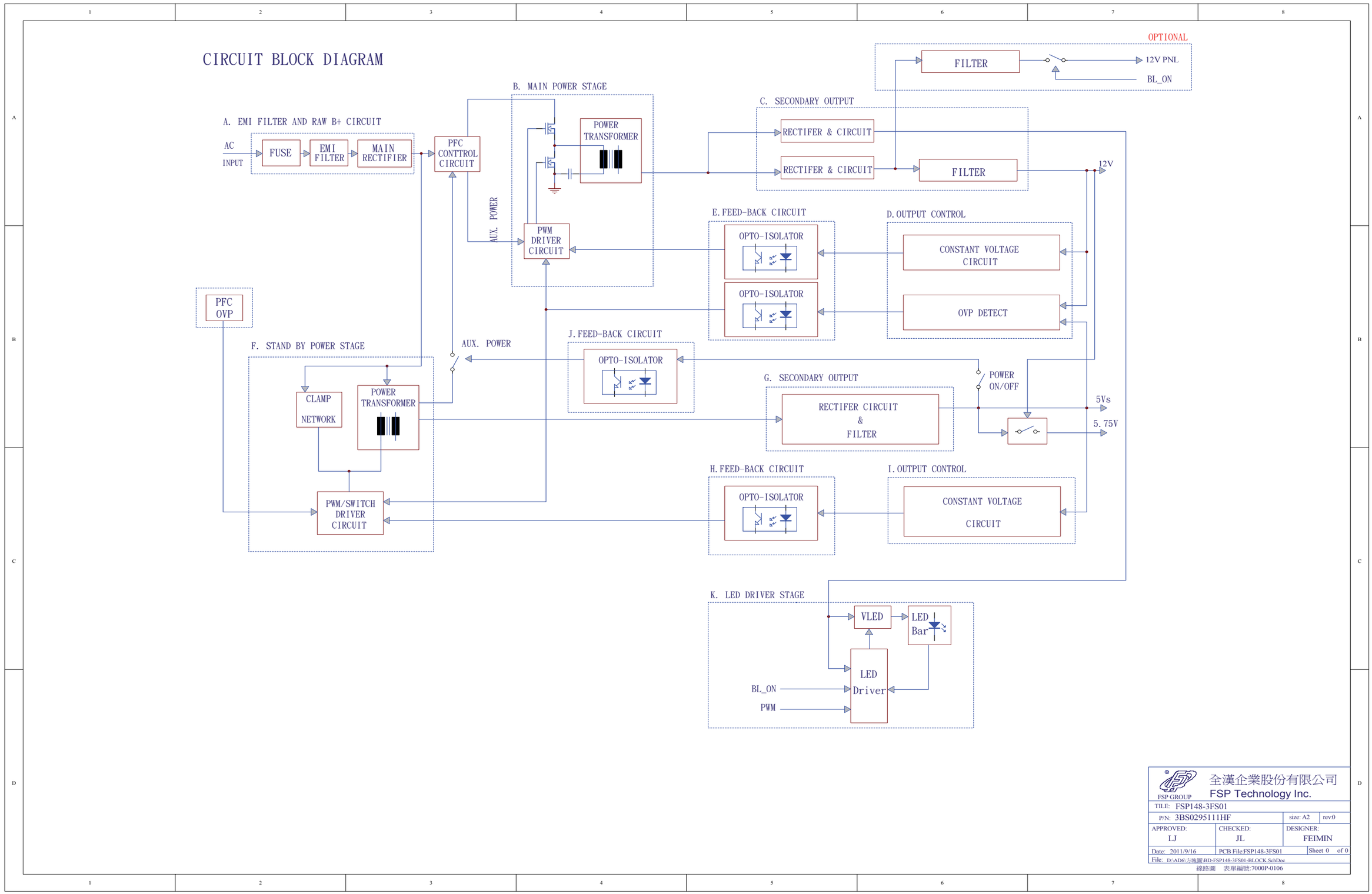
PANEL	R1LK460D3LB33G
POWER SUPPLY	RDENCA440WJQZ
MAIN BOARD	DUNTKF915FM11
SPEAKER TWEETER	RSP-ZA595WJZZ
SPEAKER SUBWOOFER	RSP-ZA594WJZZ

BLOCK DIAGRAMS DIAGRAMS

40” / 46” MAIN UNIT BLOCK DIAGRAM



40"/ 46" POWER UNIT BLOCK DIAGRAM (RDENCA440WJQZ)



FSP GROUP	全漢企業股份有限公司 FSP Technology Inc.
TILE:	FSP148-3FS01
P/N: 3BS0295111HF	size: A2 / rev:0
APPROVED: LJ / CHECKED: JL / DESIGNER: FEIMIN	
Date: 2011/9/16 / PCB File:FSP148-3FS01 / Sheet 0 of 0	
File: D:\AD6\方塊圖\BD-FSP148-3FS01-BLOCK.SchDoc	
線路圖 表單編號:7000P-0106	

SCHEMATIC DIAGRAMS

Description:

VOLTAGE MEASUREMENT CONDITION:

1. The voltages at test points are measured on the stable supply voltage of AC 230V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/16W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.

C : Solid
S : Oxide Film
N : Metal Coating
W : Cement
T : Special

CAPACITOR

1. All capacitors are μF, unless otherwise noted. (P=pF=μμ F).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.

(ML): Mylar
(PF): Polypro Film
(TA): Tantalum
(ST): Styrol

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH " " ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

40” / 46” Main Unit Diagram 1/17 (FRC)

DUNTKF915WE11/WE14

*IC3701
IXD378WJ

40” / 46” Main Unit Diagram 2/17 (System Power)

DUNTKF915WE11/WE14

TO VbyONE 018

P9601
N0186FJ
PD
Dimming 1
BKL_PWM2 2
BKL_PWM1 3
BKL_EN 4
POWER ON 5
GND 6
GND 7
5V7 8
5V7 9
GND 10
GND 11
VCC12V 12
VCC12V 13
VCC5V Stby 14

TL9611 R9647 100 C9654 4700P
TL9601 FB9602 A529WJ
TL9602 FB9603 A529WJ
TL9603 FB9604 A529WJ
TL9604 FB9605 A529WJ
TL9605
TL9606
TL9610
TL9607
TL9608 FB9601 A529WJ
5V7
VCC12V
BU5V
D+3.3V
C9662 0.1u
IC9609 TC7SH17U OUT Y GND IN A VCC NC

*R9646 100
*R9643 0
R9645 470
R9644 470
R9649 100
C9652 0.01u
R9660 22K
BU3.3V
C9601 0.01u
R9607 22
*R9657 0

TO FRC 001
Dimming B8
OFL2 B7
OFL1 A7
TO SoC 003
TVM_PWR_ON1 AB2
TO FRC 001
LCD_BL_ON_FRC A6

D+3.3V POWER
BU3.3V FB9610 0
C9664 220u 6.3V
Q9604 TXA064WJ AO3415S
3.3V_FRC D+3.3V
FB9611 A529WJ
TL9619
FB9612 0
C9635 220u 6.3V
C9633 0.1u
C9634 0.1u
R9630 10K
R9631 100K
R9632 10K
003 TVM_PWR_ON1 AB2
TL9620
Q9603 2SC3928AR

D+1.5V DDR3 SoC
D+5V D+2.5V IC9603 BD3552 D+1.5V
FB9617 A529WJ
TL9621
C9624 1u
R9625 1K
VCC GND EN NRCS GATE FB VIN VO
C9629 0.01u
R9627 1.3K
C9628 3300P
R9628 1K
C9626 22u
C9627 22u

D+1.1V SoC CORE
VCC12V FB9608 0
IC9601 BD9329EF
C9612 0.1u 25V
R9612 0
BST SS VIN EN SW COMP PGND FB GND
C9614 0.1u
R9615 0
003 TVM_PWR_ON2 AC1
R9617 2.4K
R9618 15K
C9615 0.01u
R9616 3.3K
D+1.5V TL9612 L9601 10uH
C9610 22u 6.3V
C9613 10u 16V
C9611 100u 16V
C9608 22u 6.3V
C9609 22u 6.3V
R9613 1K

2.5V STBY
BU3.3V FB9607 A529WJ
Q9602 MMBT3904
R9610 10K
BU2.5V TL9614
R9611 0
R9609 330
C9605 0.1u
R9661 6.8K
C9606 0.1u
C9607 4.7u

1.2V MSD
D+3.3V FB9614 A529WJ
IC9606 S1135B12 VIN VOUT VSS EN NC
1.2V MSD TL9625
C9640 0.1u
C9643 4.7u
R9635 10K
C9641 4.7u
C9642 1u

D+1.8V DDR2 FRC
D+5V D+2.5V IC9702 BD3552 D+1.8V
FB9618 A529WJ
TL9622
C9656 1u
R9650 1K
VCC GND EN NRCS GATE FB VIN VO
C9659 0.01u
R9652 1.8K 1%
C9660 3300P
*R9653 1K 1%
C9658 22u
C9661 22u

3.3V STBY
BU5V C9630 10u 6.3V
IC9604 S172B34E VIN VSS NC VOUT VSS EN
BU3.3V TL9616
C9631 10u 6.3V
R9629 10K
C9632 0.1u 25V

3.3V AFE
5V7 FB9616 A529WJ
IC9608 S1135B33 VIN VOUT VSS EN NC
3.3V_AFE TL9626
R9640 0
C9648 0.1u
C9649 10u
R9639 10K
C9650 1u
C9651 4.7u
CLOSE TO BGA

D+2.5V POWER
5V7 FB9609 A529WJ
IC9602 MP28254 GND GND GND GND VCC PG FB IN SW SW SW SW SW BST EN
C9665 10u 16V
C9618 10u 16V
C9617 0.1u
L9602 PB011WJQZ 2.7uH
TL9609
C9622 22u
D+2.5V
R9624 560
C9619 0.1u
R9619 22
C9621 10u 6.3V
C9623 22u
C9653 22u 6.3V
R9621 10K
003 TVM_PWR_ON1 AB2
C9655 0.1u 25V
C9620 15P
R9620 0
R9623 39K
R9622 18K

+5V POWER
5V7 FB9606 A529WJ
*D9601 HSU119
D+5V TL9613
C9604 100u 6.3V

1.1V STBY
BU3.3V FB9613 A529WJ
IC9605 S1135B11 VIN VOUT VSS EN NC
BU1.1V TL9617
R9634 0
C9636 0.1u
R9633 10K
C9637 4.7u
C9638 1u
C9639 4.7u

1.1V AFE
D+3.3V FB9615 A529WJ
IC9607 S1135B11 VIN VOUT VSS EN NC
1.1V_AFE_TIME 1.1V_AFE_CH
R9637 0
R9638 0
TL9624
C9644 0.1u
C9647 4.7u
R9636 10K
C9645 4.7u
C9646 1u
CLOSE TO BGA

D+1.1V FRC CORE
VCC12V FB9701 A528WJ
IC9701 BD9329EF BST SS VIN EN SW COMP PGND FB GND
D+1.1V_FRC TL9623
L9701 10uH
C9705 0.1u 25V
R9701 0
C9708 0.01u
R9703 10K
R9705 3.9K
R9706 15K
C9707 6800P
C9704 10u 6.3V
C9706 10u 16V
C9709 22P
R9704 3.3K
C9701 10u 6.3V
C9703 10u 6.3V
C9702 10u 6.3V
R9702 180

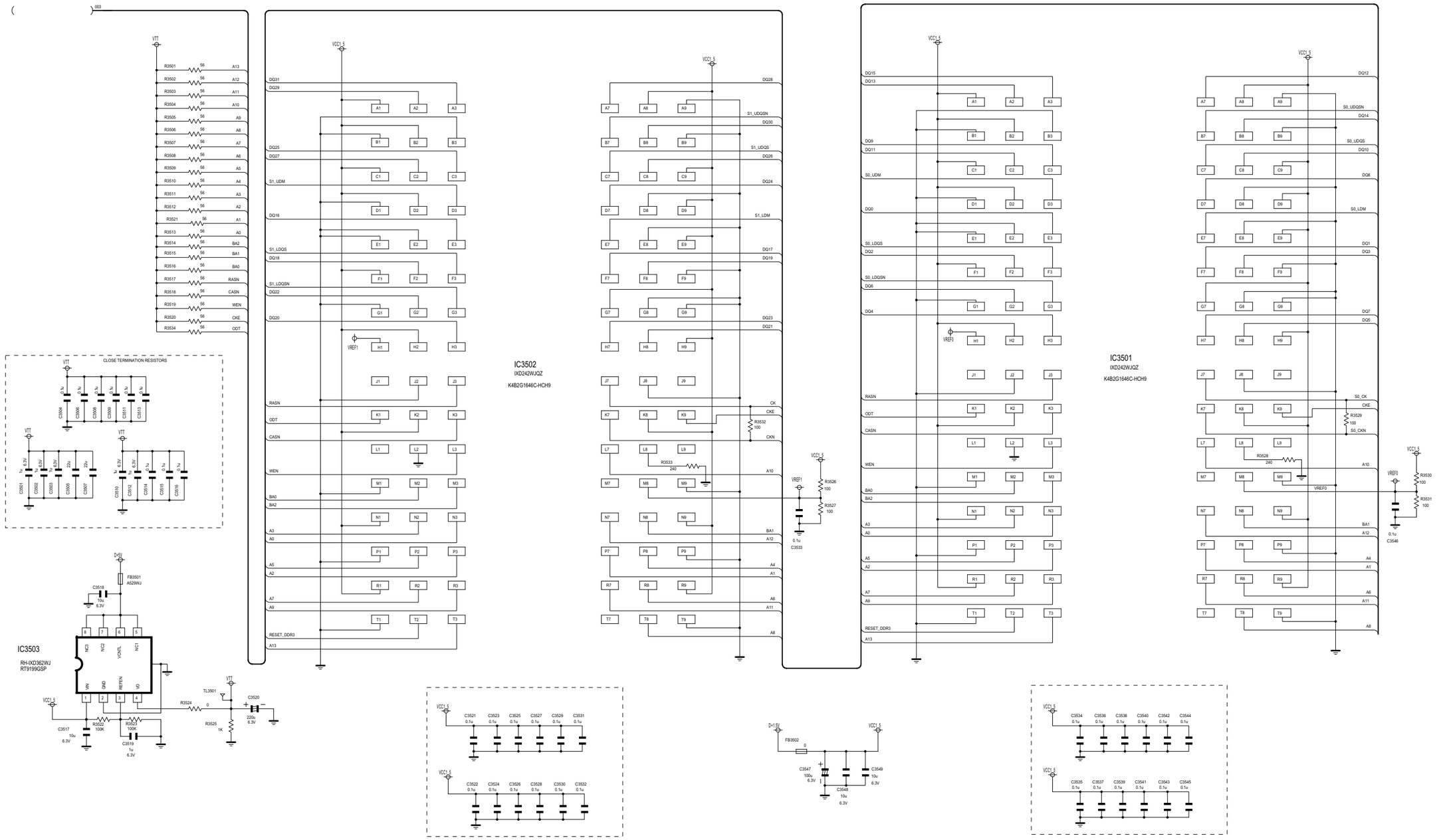
40” / 46” Main Unit Diagram 3/17 (SoC)

DUNTKF915WE11/WE14

IC3301
IXD425WJ

40” / 46” Main Unit Diagram 4/17 (DDR3 BLOCK)

DDUNTKF915WE11/WE14



40” / 46” Main Unit Diagram 5/17 (SCART)

DUNTKF915WE11/WE14

SCART

TO AUDIO AMP. (009)

MUTE_B

TO SoC (003)

R1 A_CVBS_OUT

K2 TV_RIN

J1 TV_GIN

G3 TV_BIN

Y2 LINE_2L

Y1 LINE_2R

C577 220u 6.3V AAPE

C580 270P

SG556 VXA187WJQZ

R581 3.3

SC552 ZA161WJ

SG564 VXA187WJQZ

R597 47

C598 0.047u

TV_IN

TO SoC (003) TV_IN P2

R578 47

C574 0.047u

SG551 VXA187WJQZ

R584 75

C585 10P

R598 51

R607 10

TV_FB

TO SoC (003) TV_FB P4

D556 EXA741WJQZ

R604 24

R579 47

C575 0.047u

SG552 VXA187WJQZ

R585 75

C586 10P

C600 47P

R608 11K

R609 1K

D557 EXA629WJQZ

R612 10

TO SoC (003) TV_FS1 M4

R580 47

C576 0.047u

SG553 VXA187WJQZ

R586 75

C587 10P

R596 10K

C609 0.47u

TO SoC (003) LINE_IN4L U1

C554 10u 16V

R557 10

R561 22K

C561 10u 16V

R568 47K

R555 100K

C557 330P

C573 10u 16V

R573 470

R614 100K

R574 10K

R576 100

C581 470P

SG554 VXA187WJQZ

C593 330P

R605 12K

C595 560P

SG565 VXA187WJQZ

R610 10K

C610 0.47u

TO SoC (003) LINE_IN4R V4

VXA187WJQZ SG563

C607 330P

C608 560P

R611 12K

IC552 NJM4565V

GND A-IN- A-IN+ A_OUT

B-IN- B-IN+ B_OUT VCC

VCC12V

R569 100

R577 100

R575 10K

C582 470P

SG555 VXA187WJQZ

R615 100K

C555 10u 16V

R558 10

R562 22K

C562 10u 16V

R556 100K

C558 330P

C563 10u 16V

R563 22K

R565 22K

R567 47K

C566 0.1u

C568 100u 16V

C572 10u 16V

R572 470

Q552 IMH23T110

RS232 SERVICE

TO SoC (003)

J551 JA024WJ

*R552 220

*R551 220

C559 47P

C560 47P

UART0RX

UART0TX

TO SoC (003) E3 D2

HDTV1

J552 LA037WJQZ

R-Y

B-Y

Y

C

R

C685

SG559 VXA187WJQZ

R589 75

R600 47

C599 68P

C601 0.047u

CVBS1_RCA

CVBS1_RCA L2

SG560 VXA187WJQZ

R592 75

R601 47

C590 10P

C602 4700P

SOY_IN1

SOY_IN1 F2

C603 0.047u

VIN_G1

VIN_G1 H3

SG561 VXA187WJQZ

R593 75

R602 47

C591 10P

C604 0.047u

VIN_B1

VIN_B1 G2

SG562 VXA187WJQZ

R594 75

R603 47

C592 10P

C811 0.047u

VIN_R1

VIN_R1 K1

C589 330P

R590 10K

C605 0.47u

LINE_IN2_L

LINE_IN2_L U3

C606 0.47u

LINE_IN2_R

LINE_IN2_R V2

C588 330P

R591 10K

C594 560P

R599 12K

C597 560P

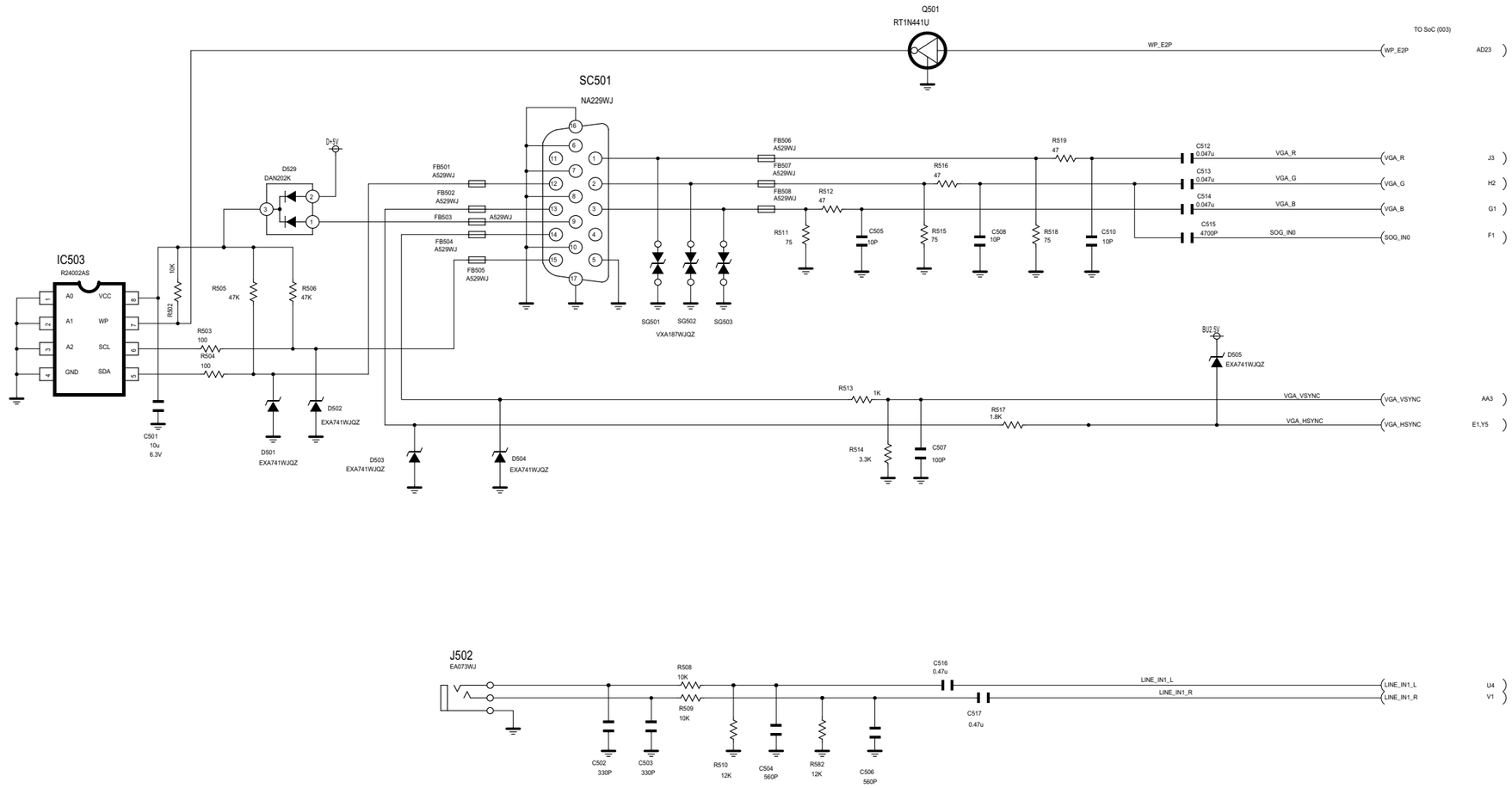
R806 12K

SG557 VXA187WJQZ

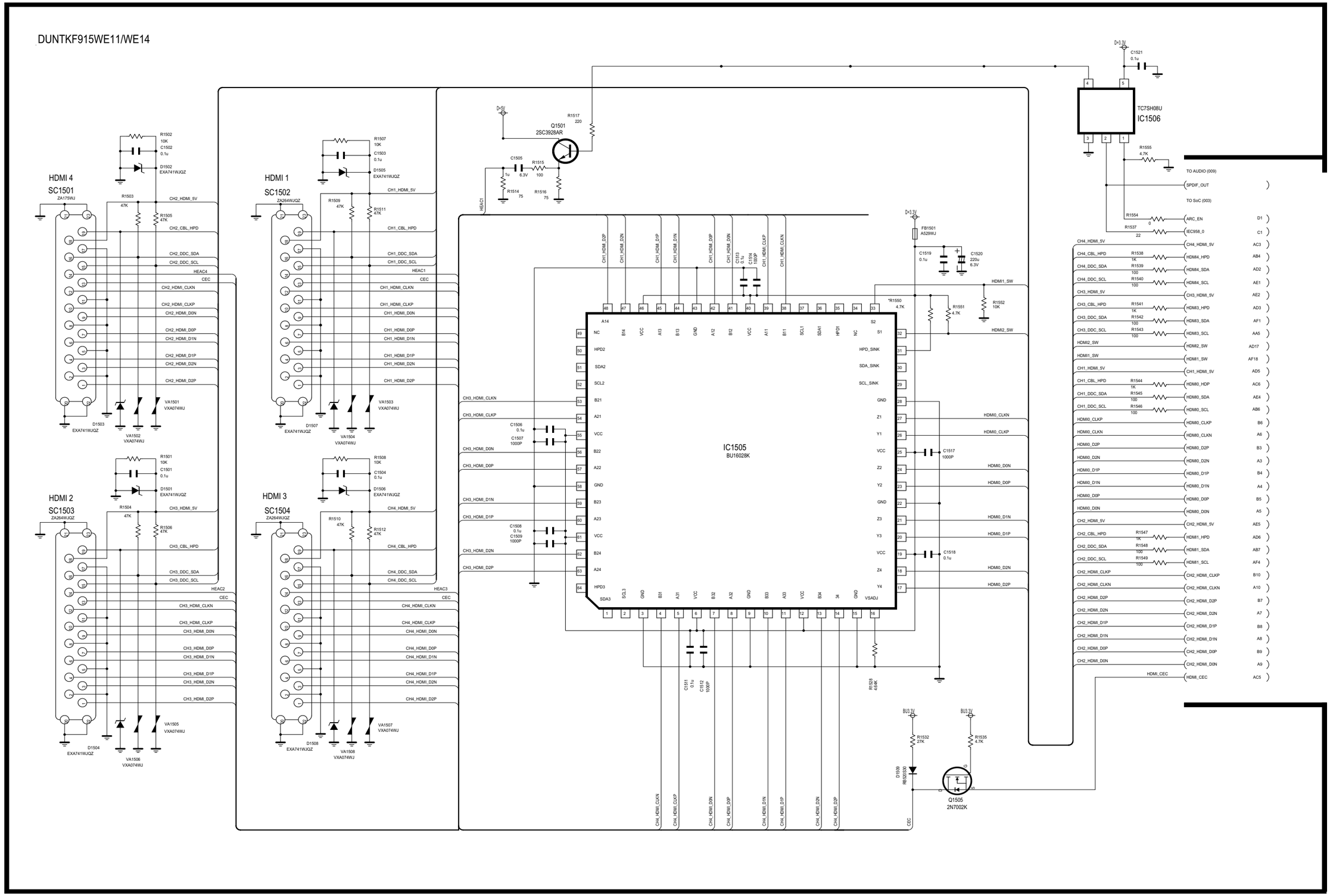
SG558 VXA187WJQZ

40” / 46” Main Unit Diagram 6/17 (PC INPUT)

DUNTKF915WE11/WE14

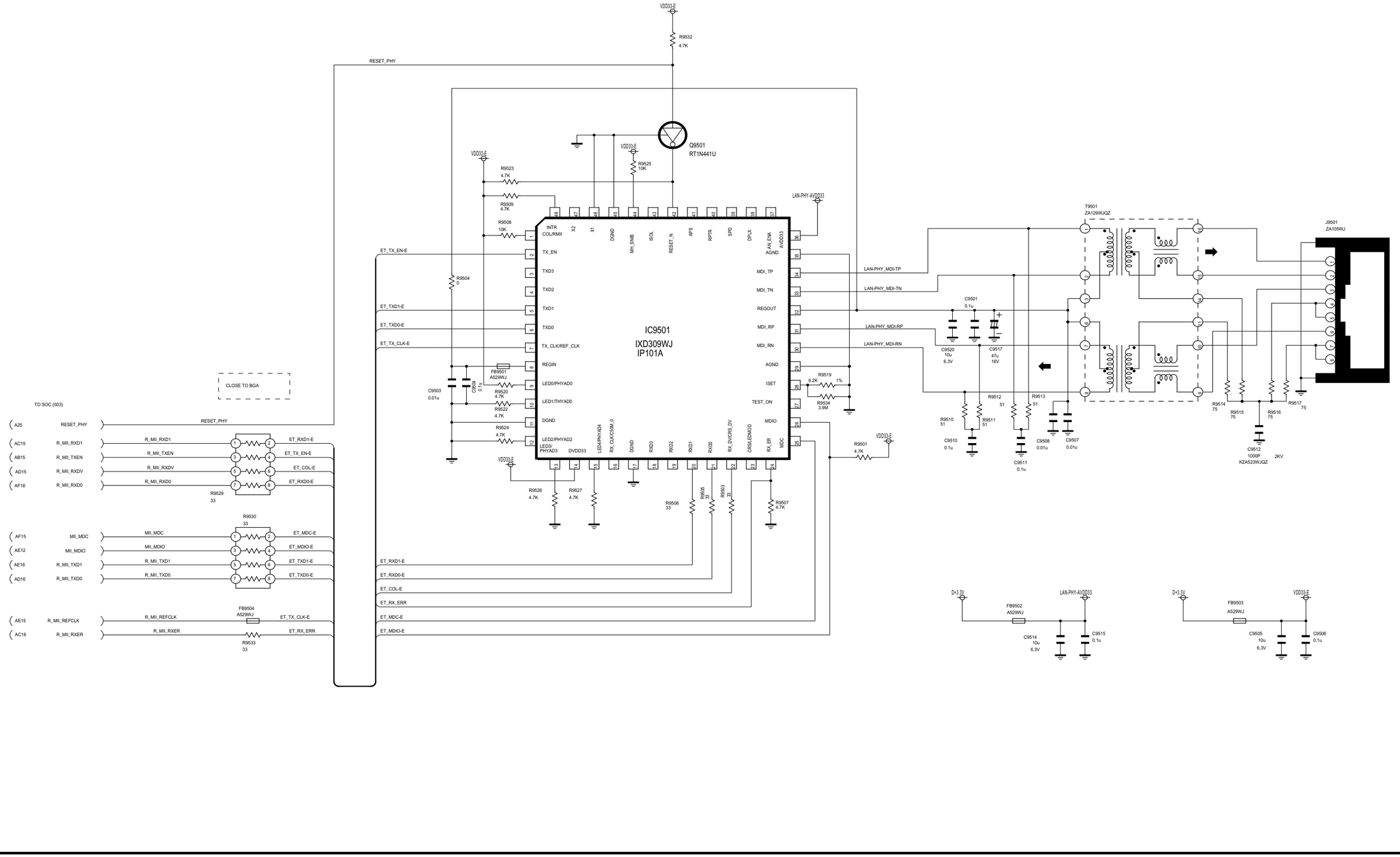


40” / 46” Main Unit Diagram 7/17 (HDMI)

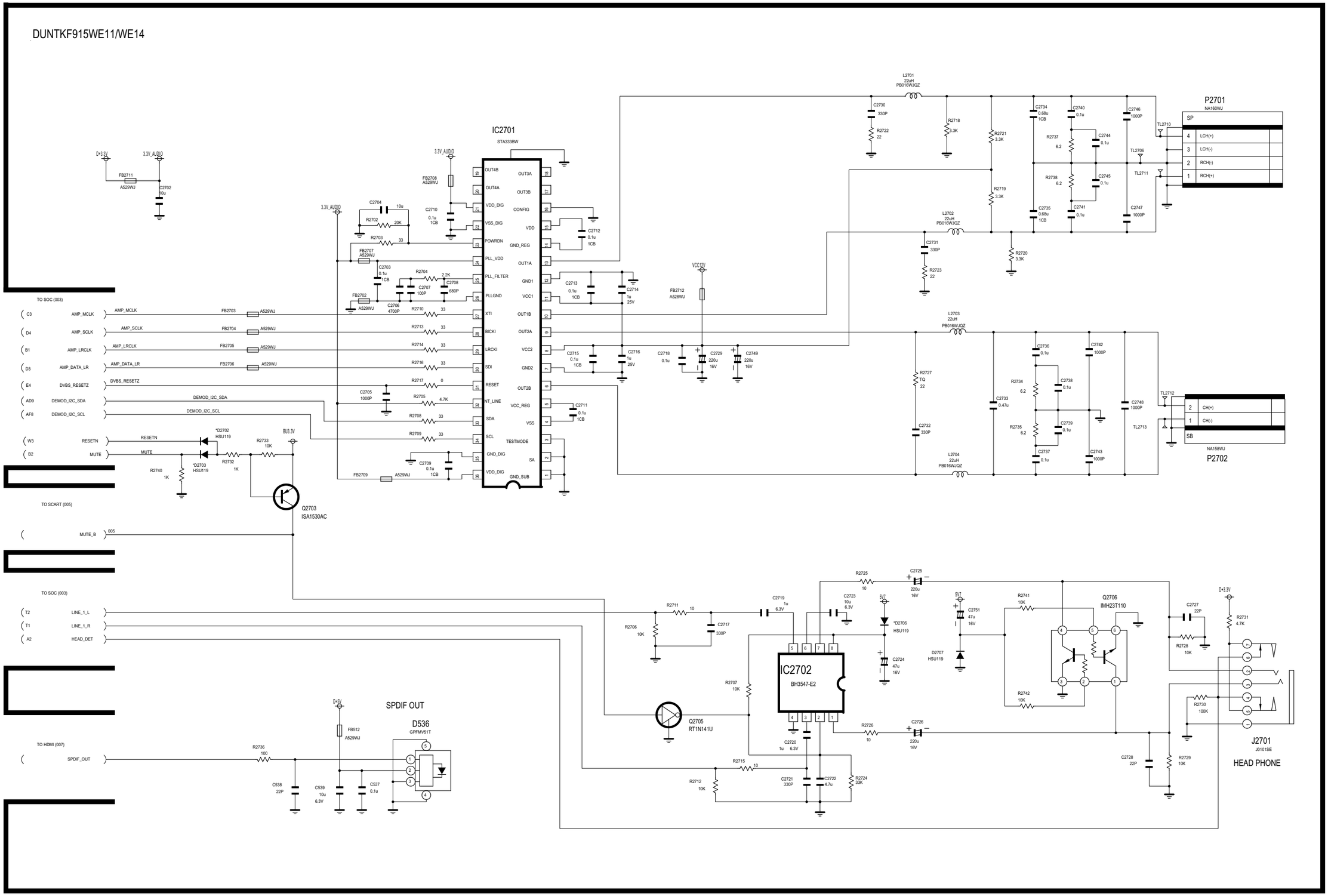


40” / 46” Main Unit Diagram 8/17 (ETHERNET)

DUNTKF915WE11/WE14



40” / 46” Main Unit Diagram 9/17 (Audio Amp. Interface)



40” / 46” Main Unit Diagram 10/17 (SoC 2)

DUNTKF915WE11/WE14

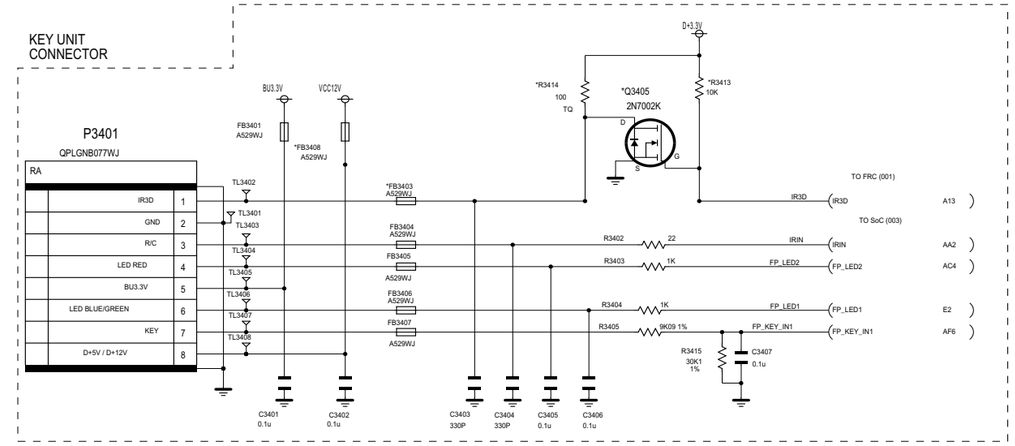
MAIN NVM

TO SoC (003)

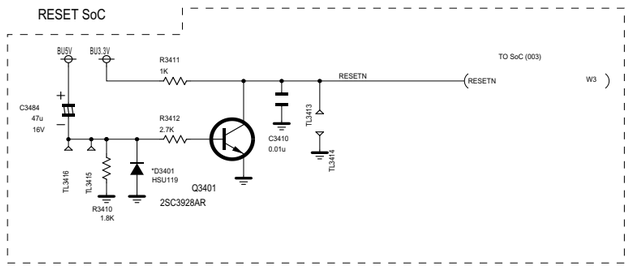
KEY UNIT CONNECTOR

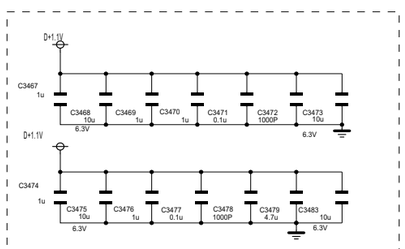
P3401
QPLGNB077WJ

RA		
IR3D	1	
GND	2	
R/C	3	
LED RED	4	
BU3.3V	5	
LED BLUE/GREEN	6	
KEY	7	
D+5V / D+12V	8	

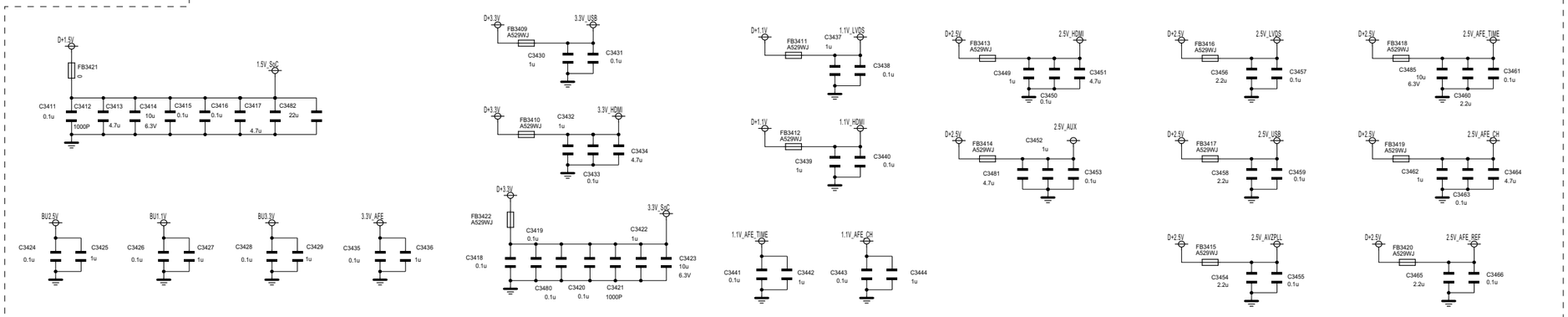


RESET SoC





SoC CAPACITORS

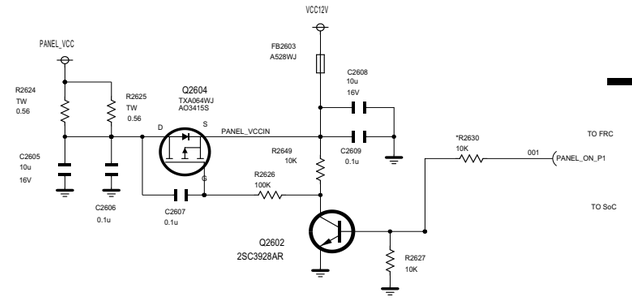


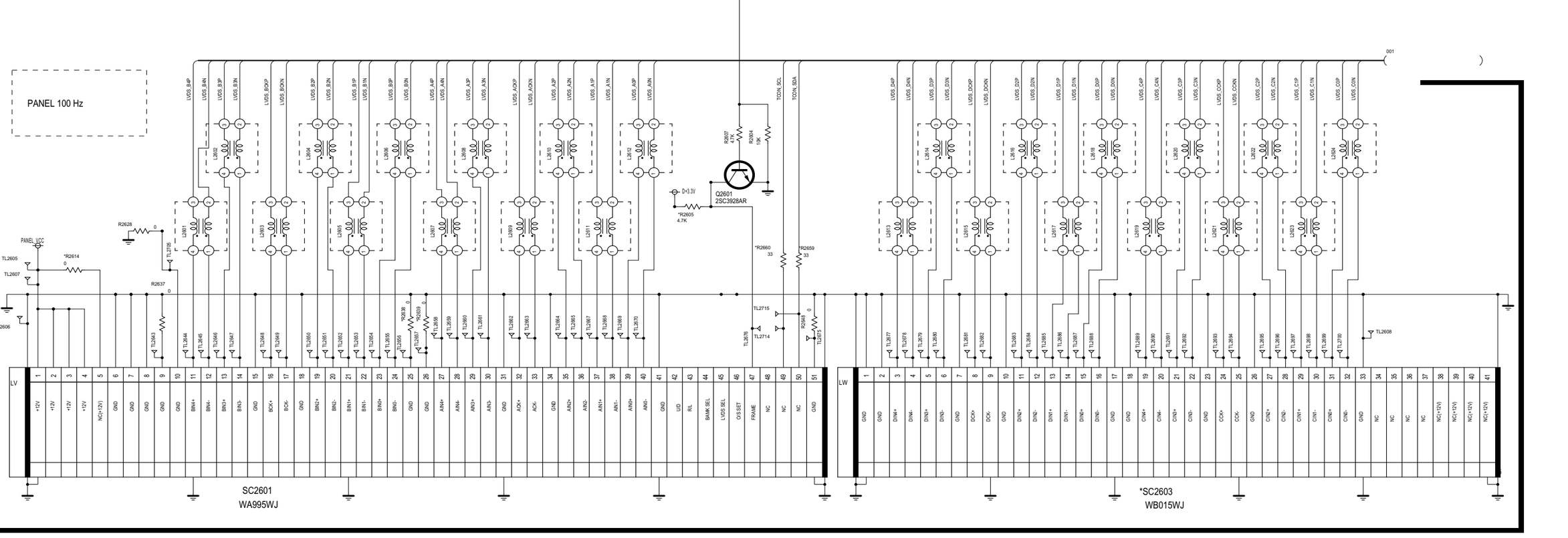
40” / 46” Main Unit Diagram 11/17 (Panel Interface)

DUNTKF915WE11/WE14

PANEL 50 Hz

PANEL 100 Hz





40” / 46” Main Unit Diagram 12/17 (COFDM)

DUNTKF915WE11/WE14

5V
FB1111 A529WJ
C1160 0.1u
C1161 10u 16V
IC1105 S172B33E
VIN VSS NC
VOUT VSS ON/OFF
D+3.3V_T
TL1104
C1162 10u 6.3V

D+2.5V
*FB1105 A529WJ
*C1105 0.1u
*C1104 10u 6.3V
*IC1100 S172B12E
VIN VSS NC
VOUT VSS ON/OFF
1V2_SAT
*C1100 6.3V 10u
*C1102 10u 6.3V

*R1107 0
*R1108 0

*R1104 0
C1107 0.1u
R1106 2K
TO SOC (003)

(AC2) IF_AGC 003 IF_AGC

(AF8) DEMOD_I2C_SCL 003 DEMOD_I2C_SCL
(AD9) DEMOD_I2C_SDA 003 DEMOD_I2C_SDA

(M2) DEMOD_IF1 003 DEMOD_IF1
(M1) DEMOD_IF2 003 DEMOD_IF2

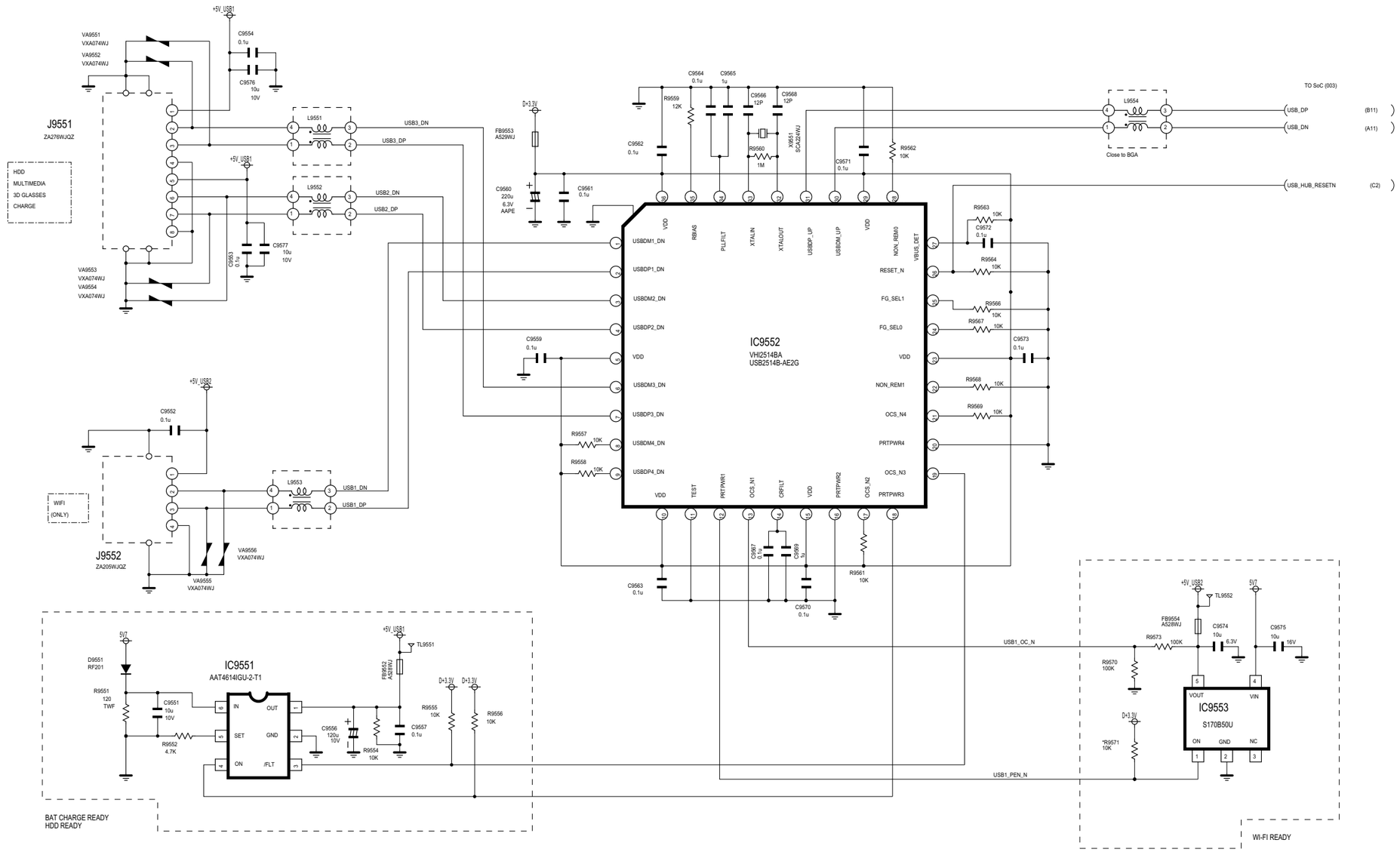
D+3.3V_T
FB1109 A529WJ
C1150 470u 6.3V
C1148 10u 6.3V
C1141 0.1u
C1145 10u 6.3V
FB1115 A529WJ
C1170 470P
C1152 4700P
3.3V_TU
FB1113 A529WJ
TSCL2
FB1114 A529WJ
TSDA2
C1153 22P
C1151 22P
L1102 0.33uH
L1101 0.33uH
FB1112 A529WJ
C1154 1000P
ANT PWR
VCC
SCL
SDA
GND
CLK OUT
IF N
IF P
IF AGC

TU1101
RTUDAA090WJOZ
TDSV-G081D

*C1166 0.1u
R1125 100
C1135 15P
*C1167 0.1u
R1136 100
C1144 15P

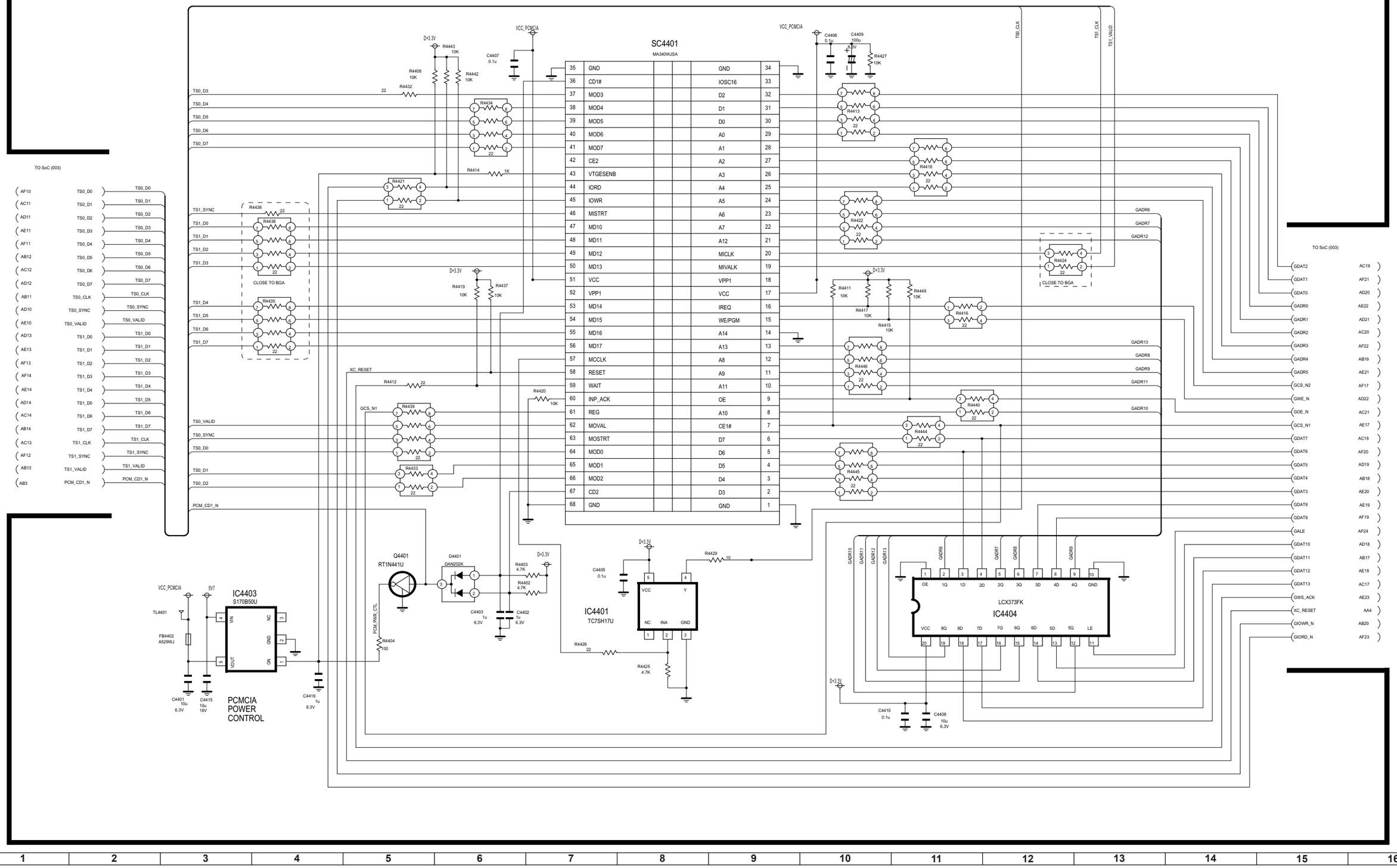
40” / 46” Main Unit Diagram 13/17 (USB)

DUNTKF915WE11/WE14



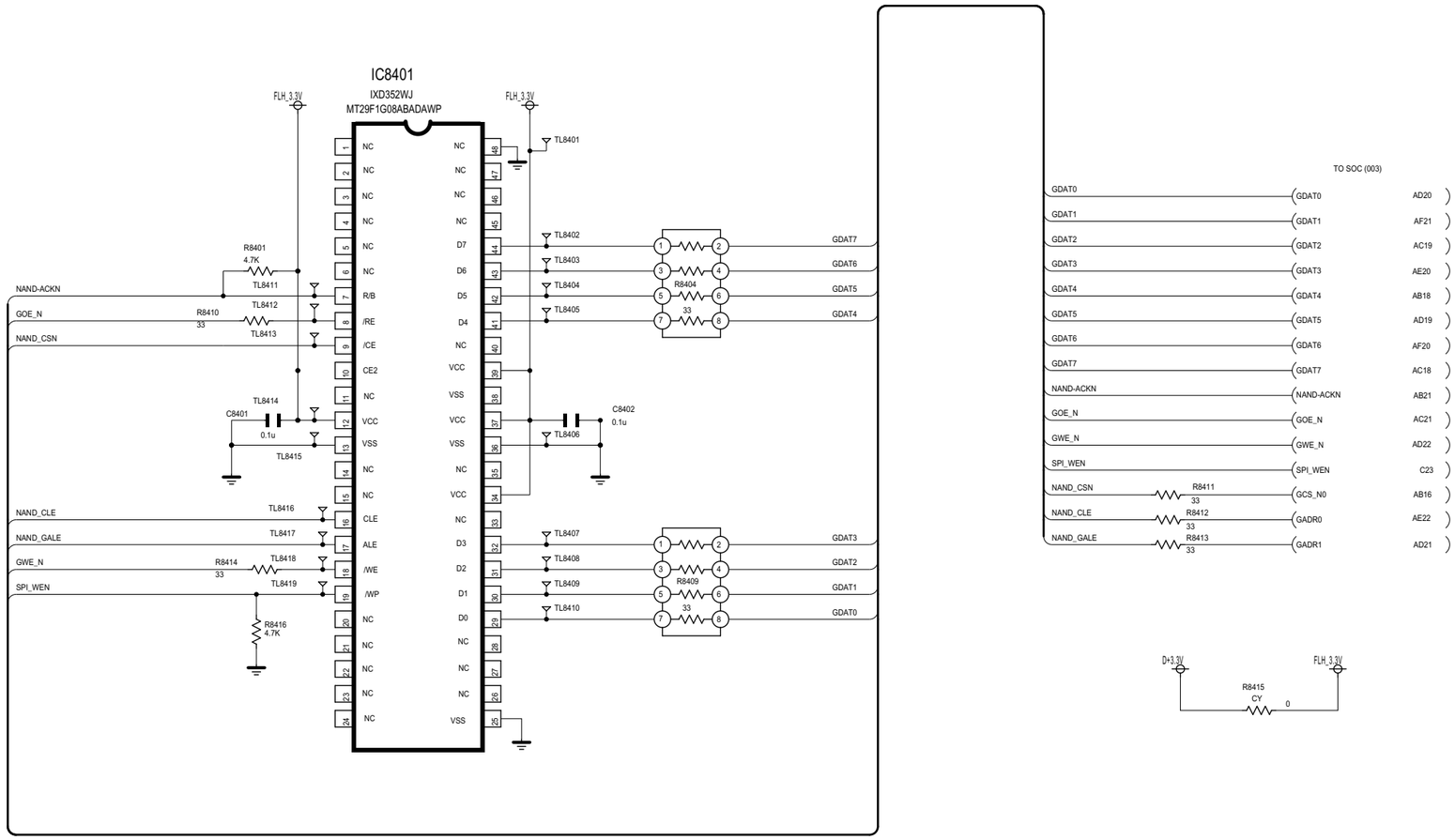
40” / 46” Main Unit Diagram 14/17 (PCMCIA)

DUNTKF915WE11/WE14



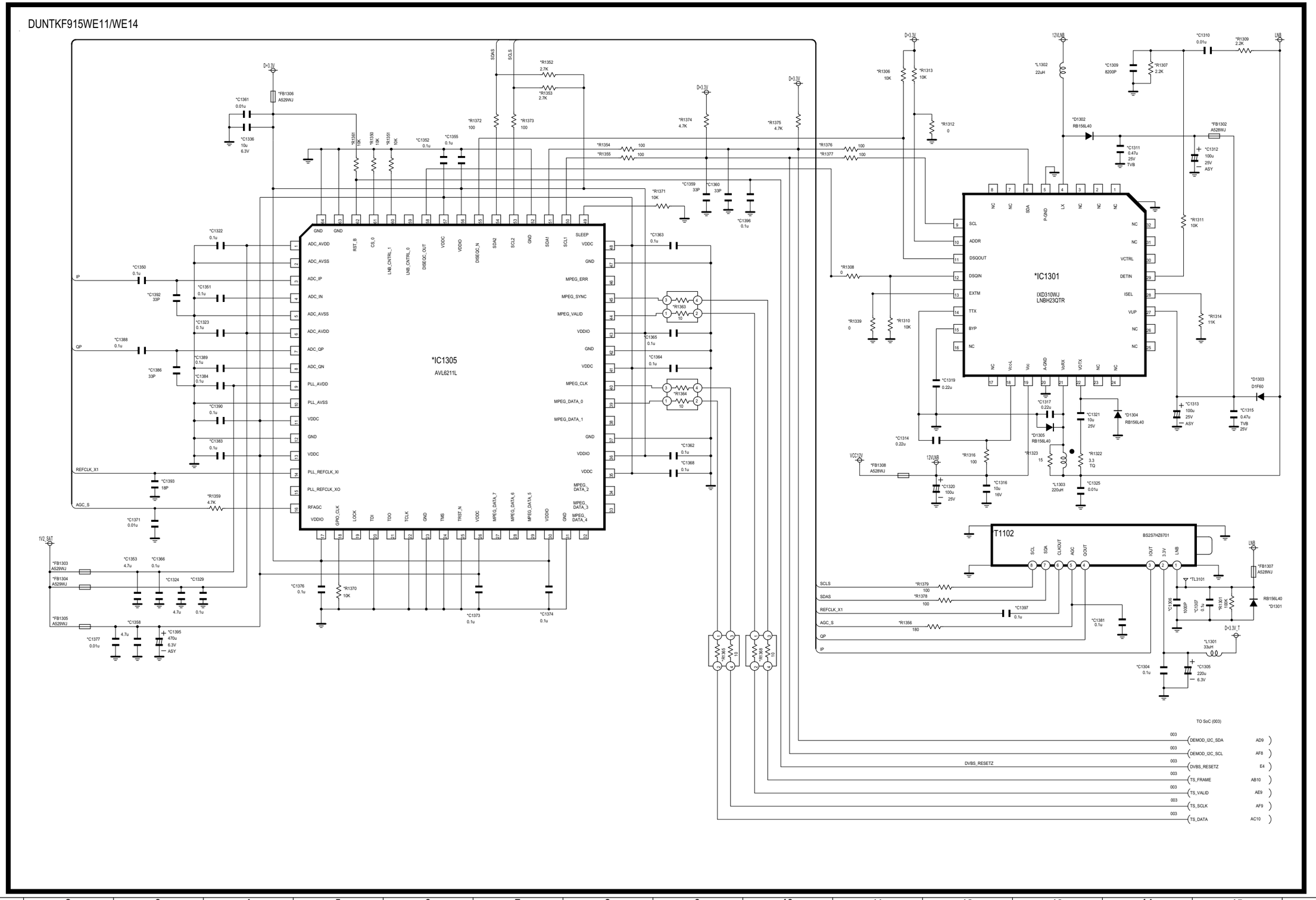
40” / 46” Main Unit Diagram 15/17 (NAND FLASH)

DUNTKF915WE11/WE14



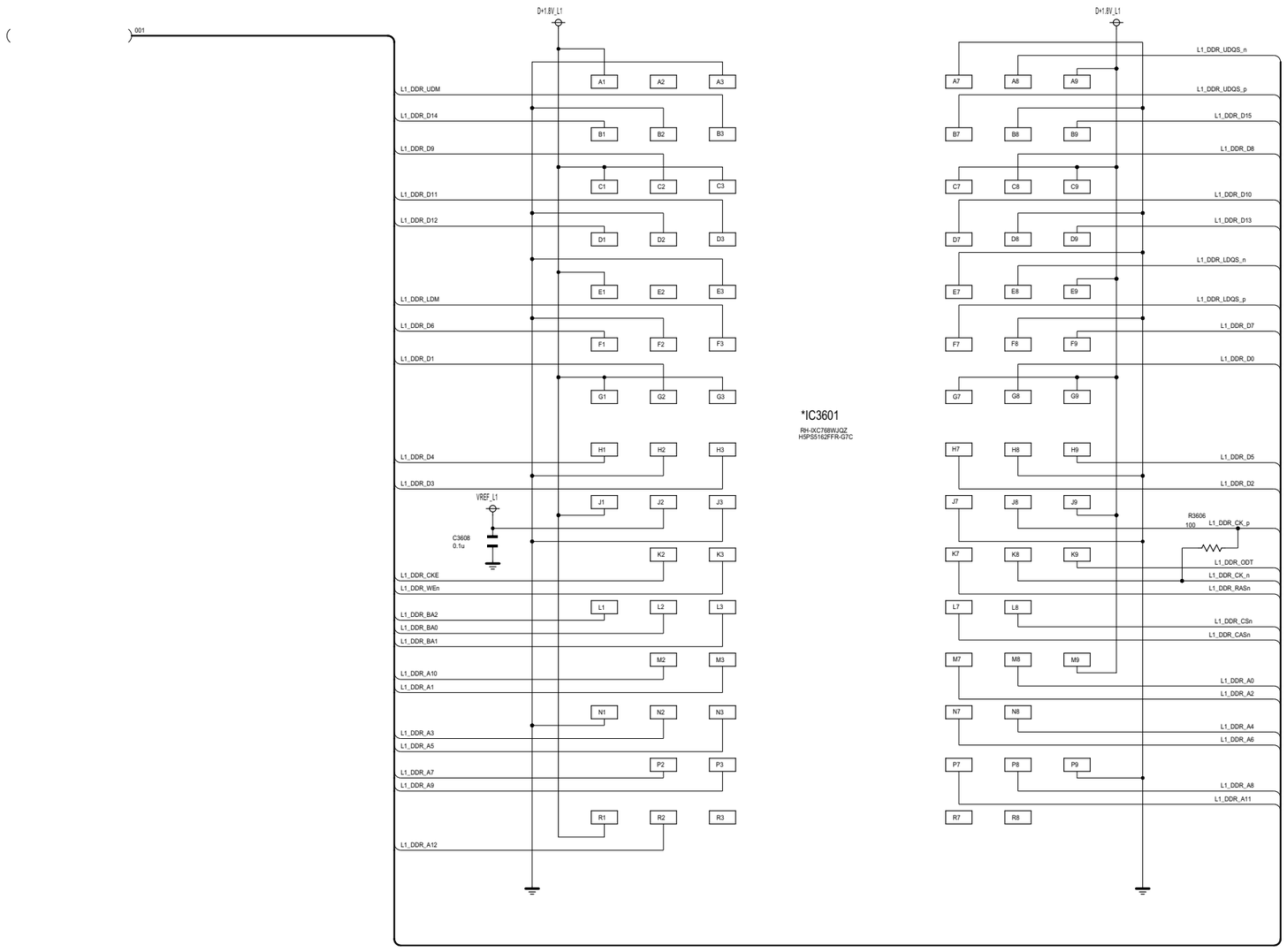
40” / 46” Main Unit Diagram 16/17 (SATELLITE)

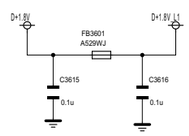
DUNTKF915WE11/WE14

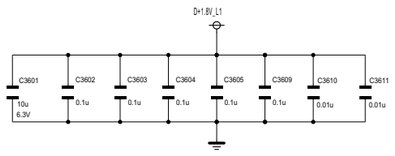


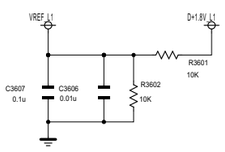
40” / 46” Main Unit Diagram 16/17 (DDR II FRC)

DUNTKF915WE11/WE14

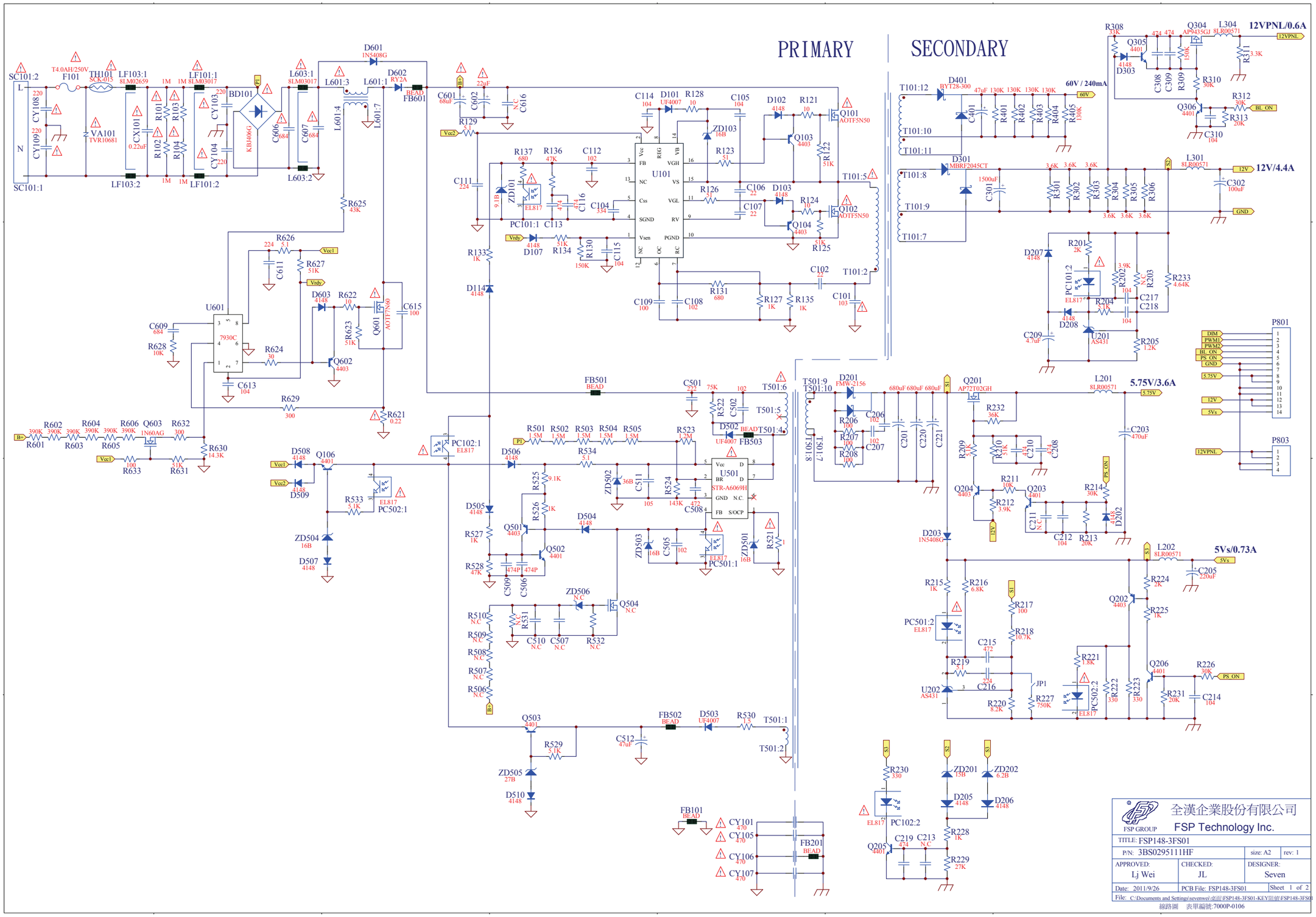




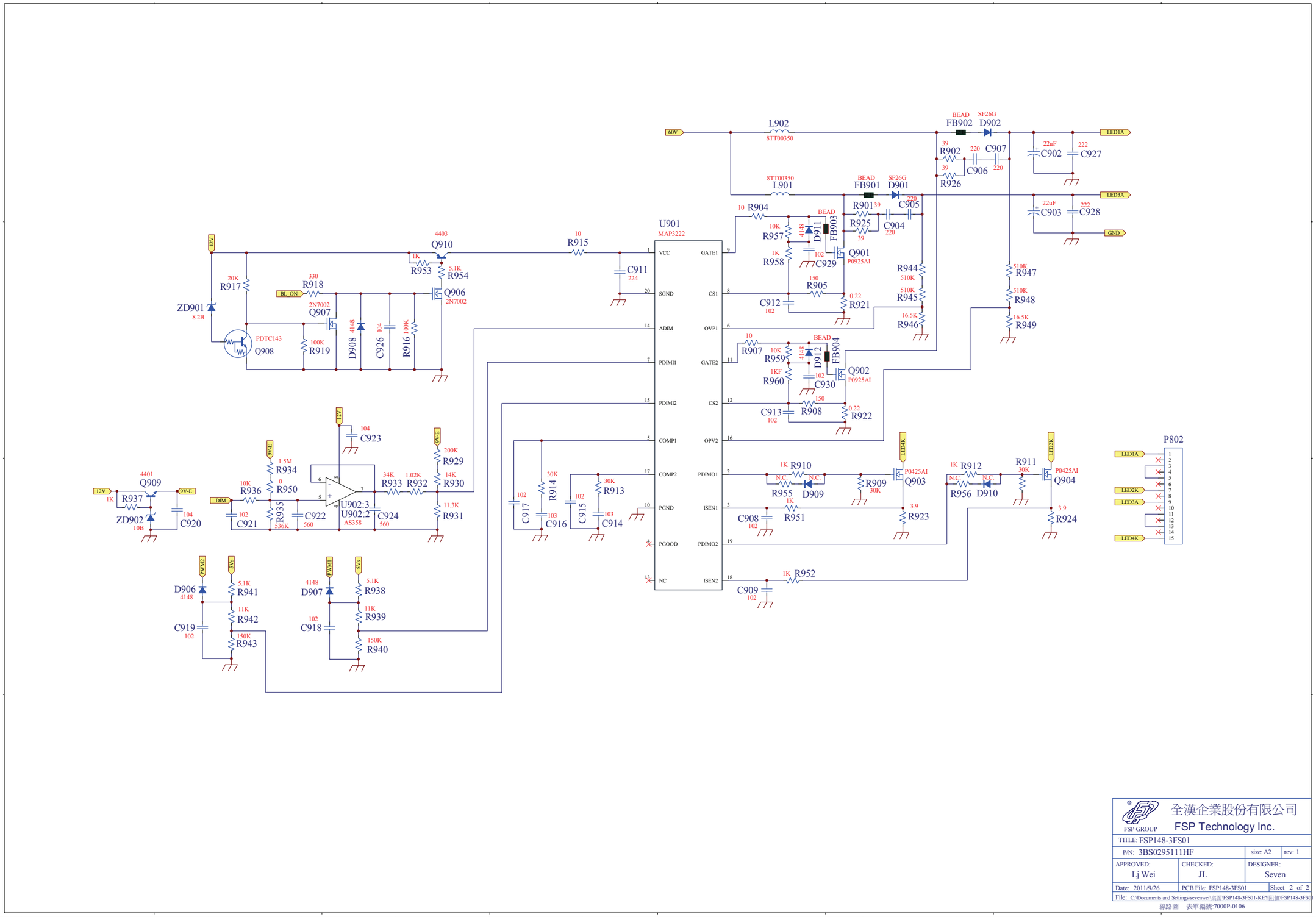




40” / 46” Power Supply Diagram 1/2 (RDENCA440WJQZ)

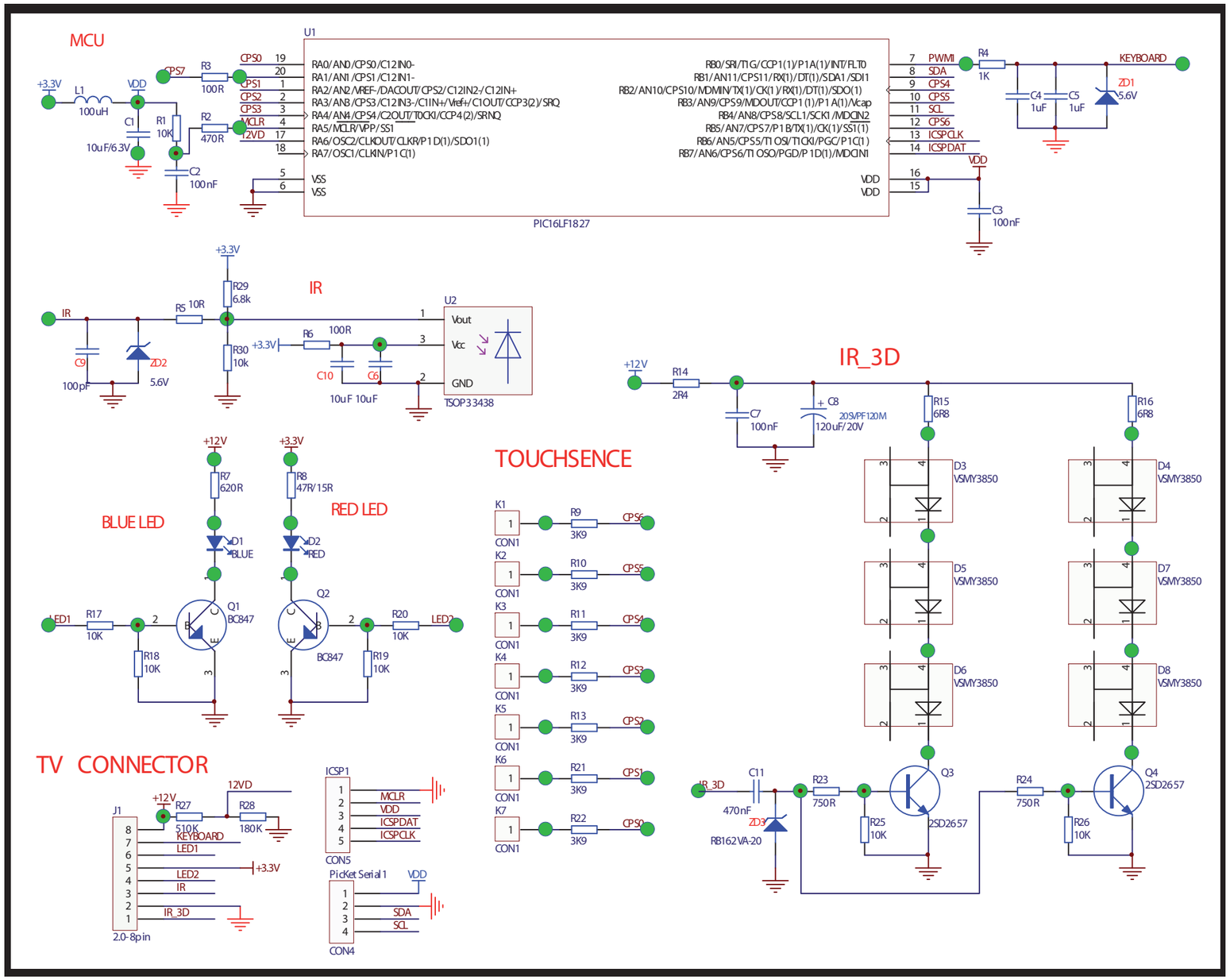


40” / 46” Power Supply Diagram 2/2 (RDENCA440WJQZ)



FSP GROUP	全漢企業股份有限公司 FSP Technology Inc.
TITLE: FSP148-3FS01	
P/N: 3BS0295111HF	size: A2 rev: 1
APPROVED: Lj Wei	CHECKED: JL DESIGNER: Seven
Date: 2011/9/26	PCB File: FSP148-3FS01 Sheet 2 of 2
File: C:\Documents and Settings\sevenwei\桌面\FSP148-3FS01-KEY\原始\FSP148-3FS01	
線路圖 表單編號:7000P-0106	

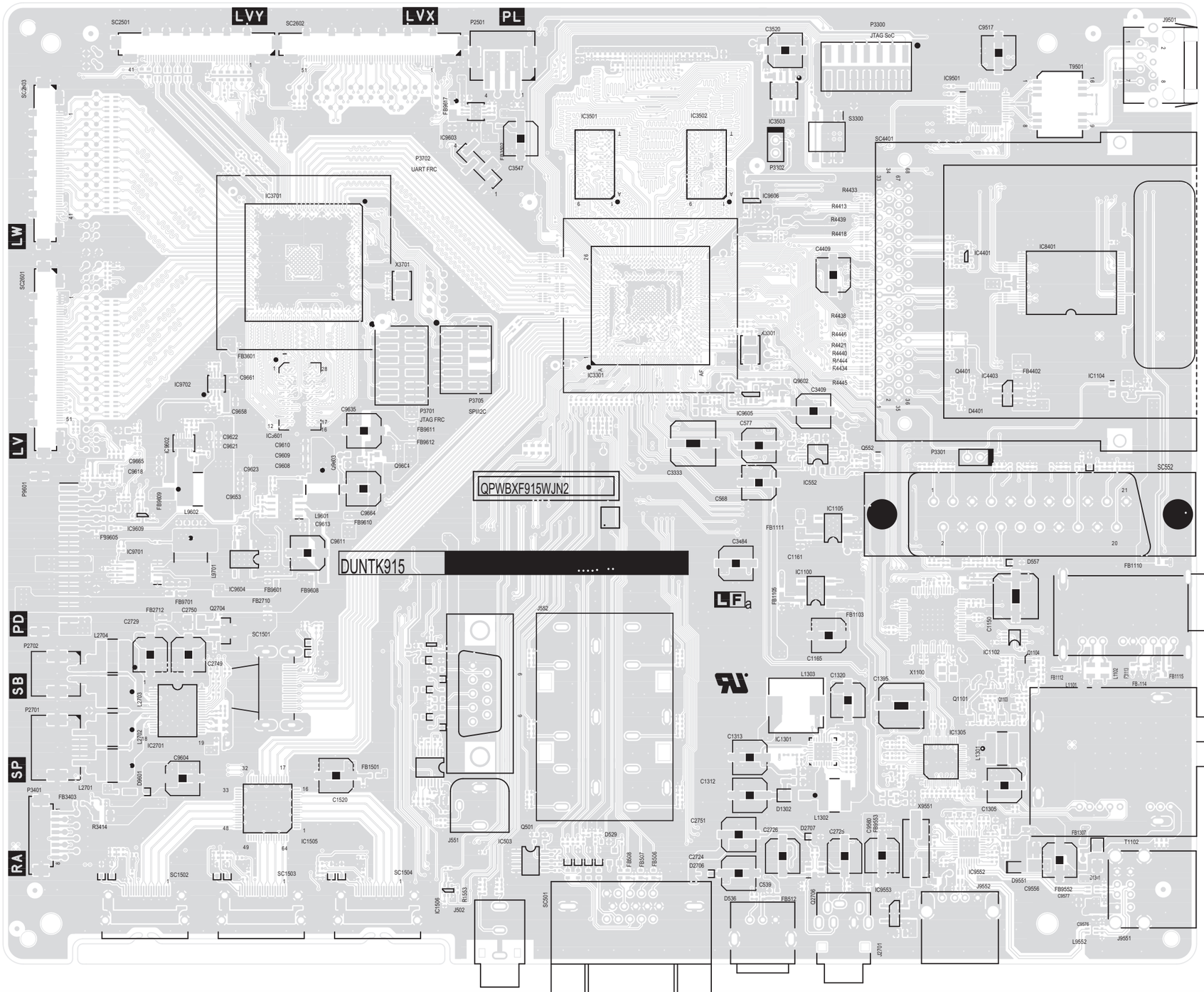
40” / 46” Control Button Unit Diagram (RUNTKA880WJPA2)



PRINTED WIRING BOARD

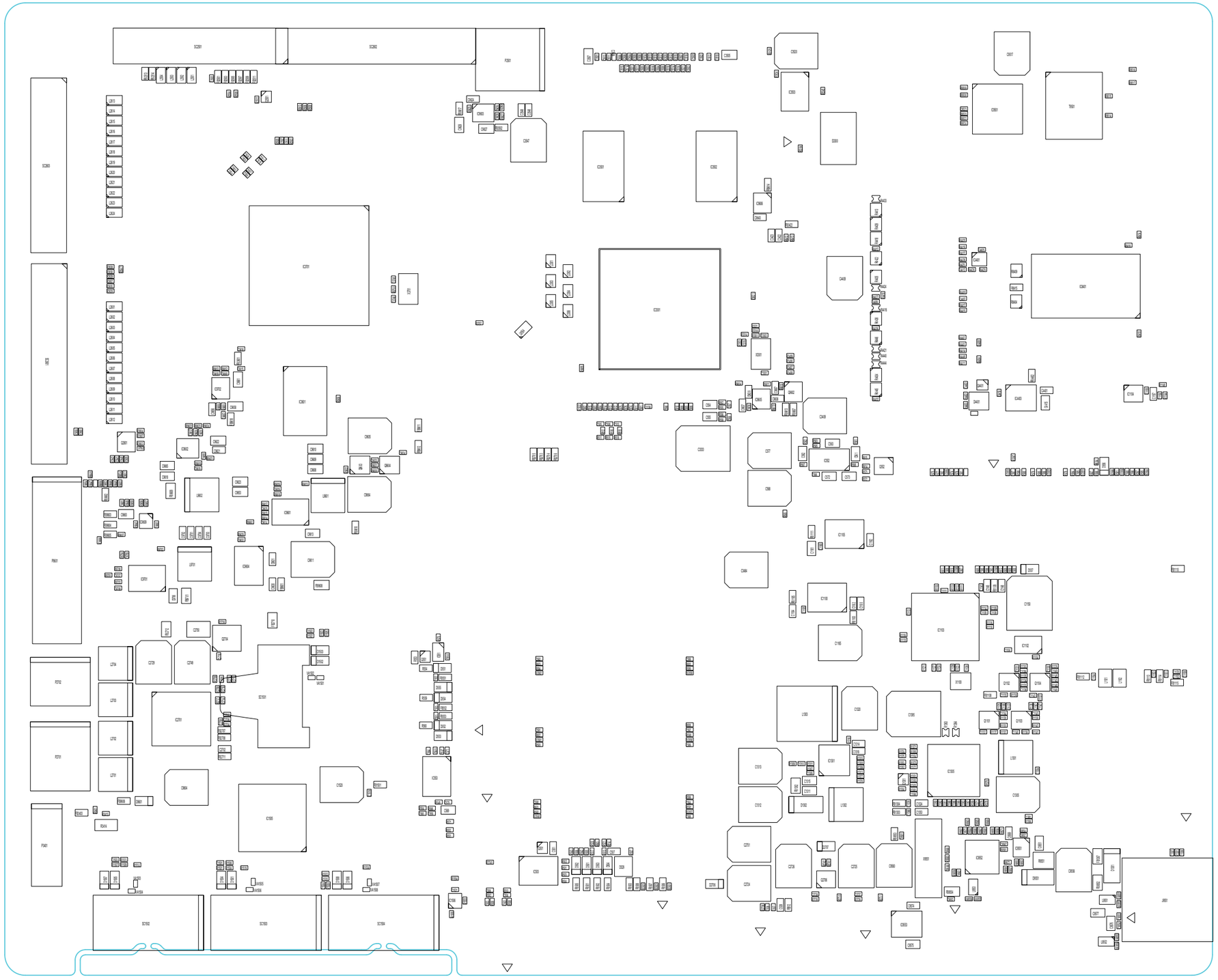
Main Unit PWB 1/4 (QPWBXF915WJN2)

Side A



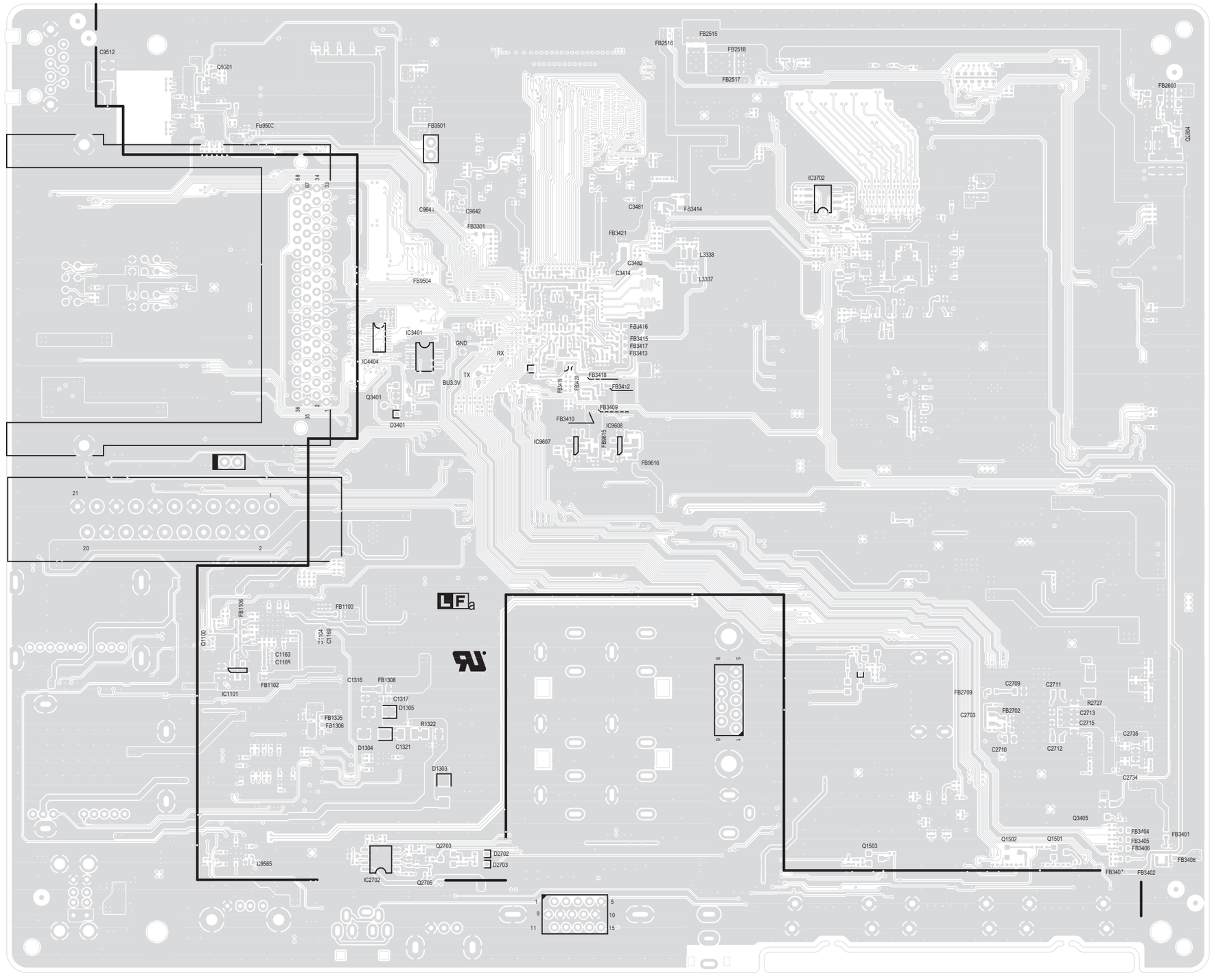
Main Unit PWB 2/4 (QPWBXF915WJN2)

Side A Chip Parts



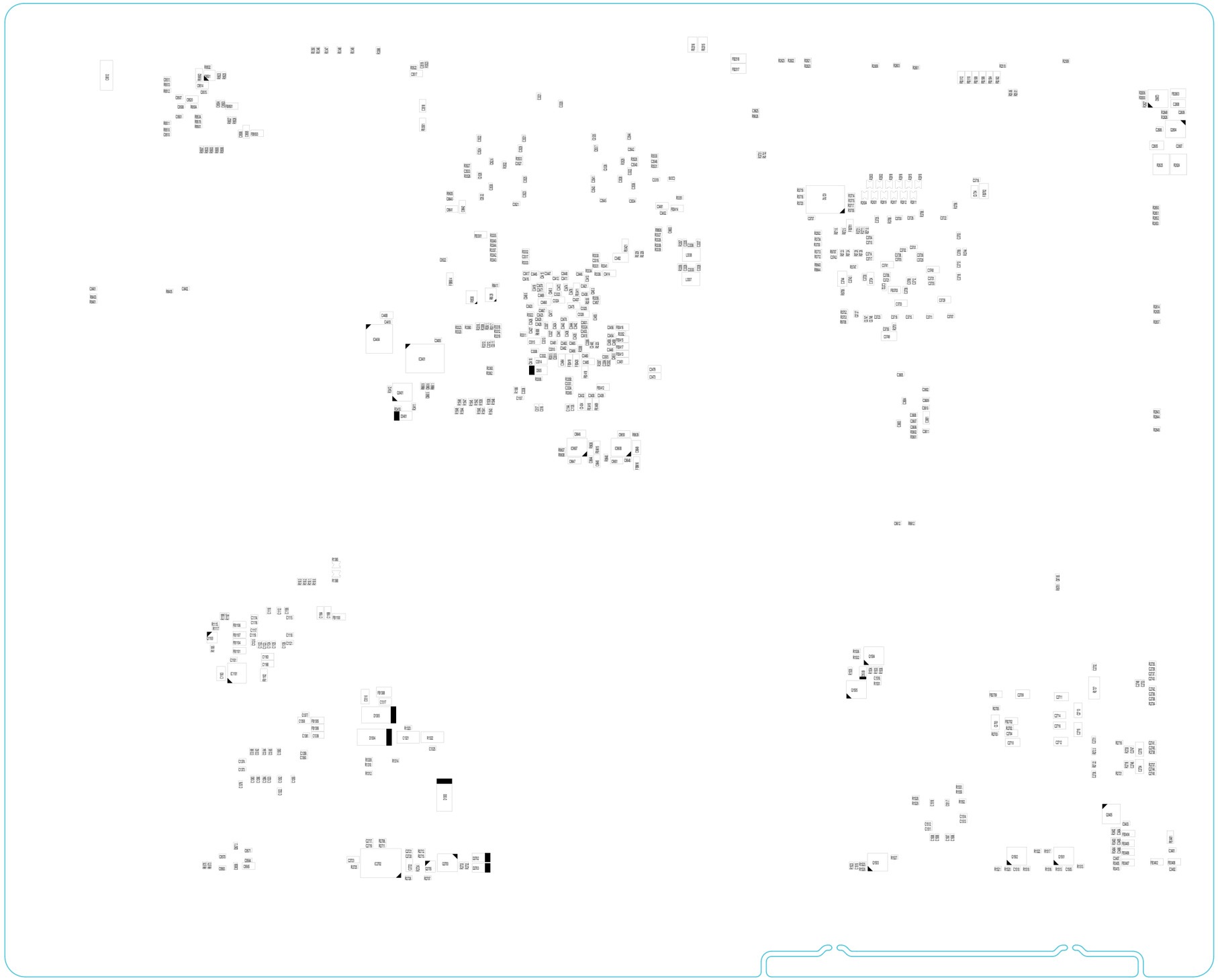
Main Unit PWB 3/4 (QPWBXF915WJN2)

Side B



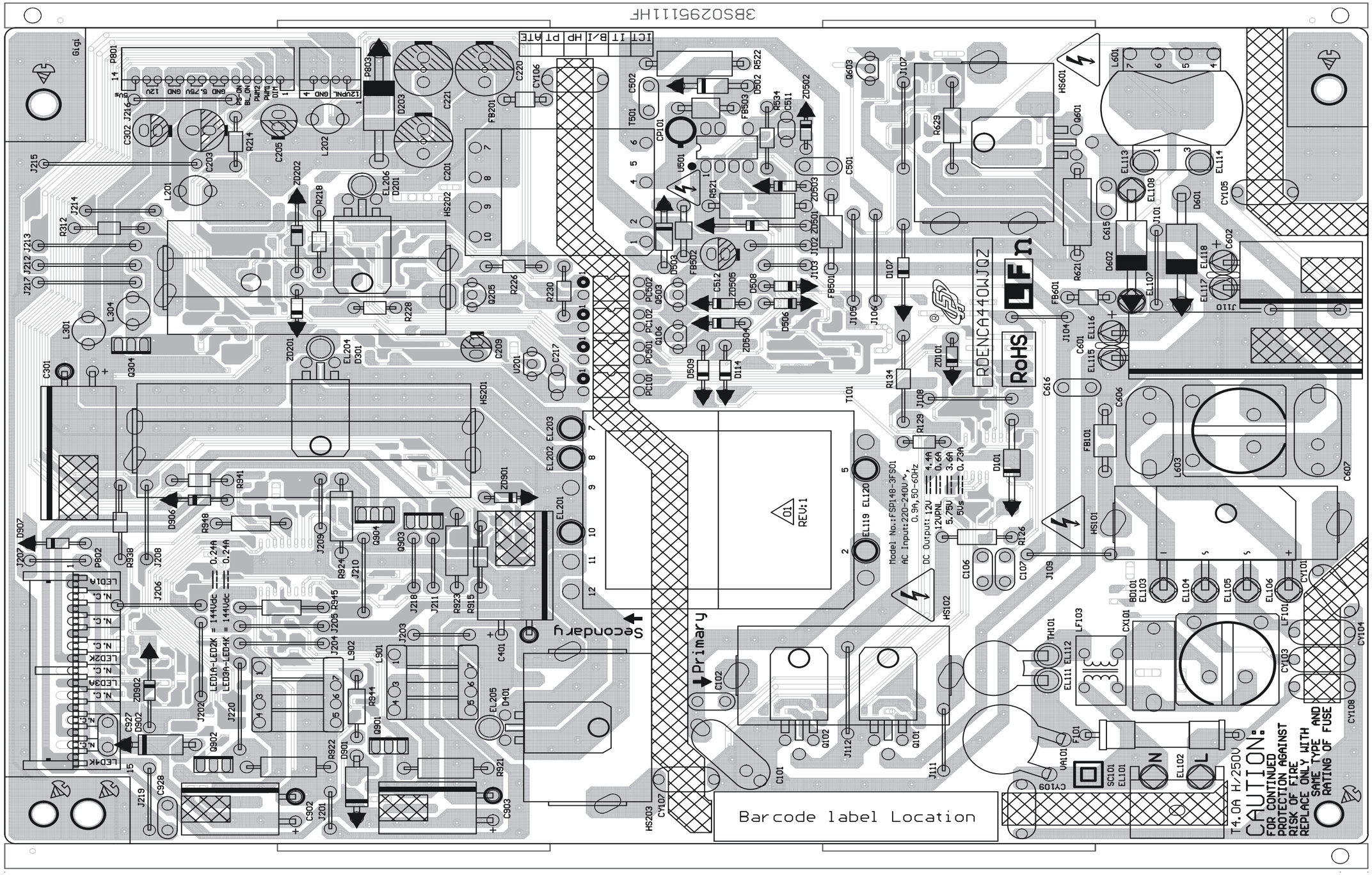
Main Unit PWB 4/4 (QPWBXF915WJN2)

Side B Chip Parts



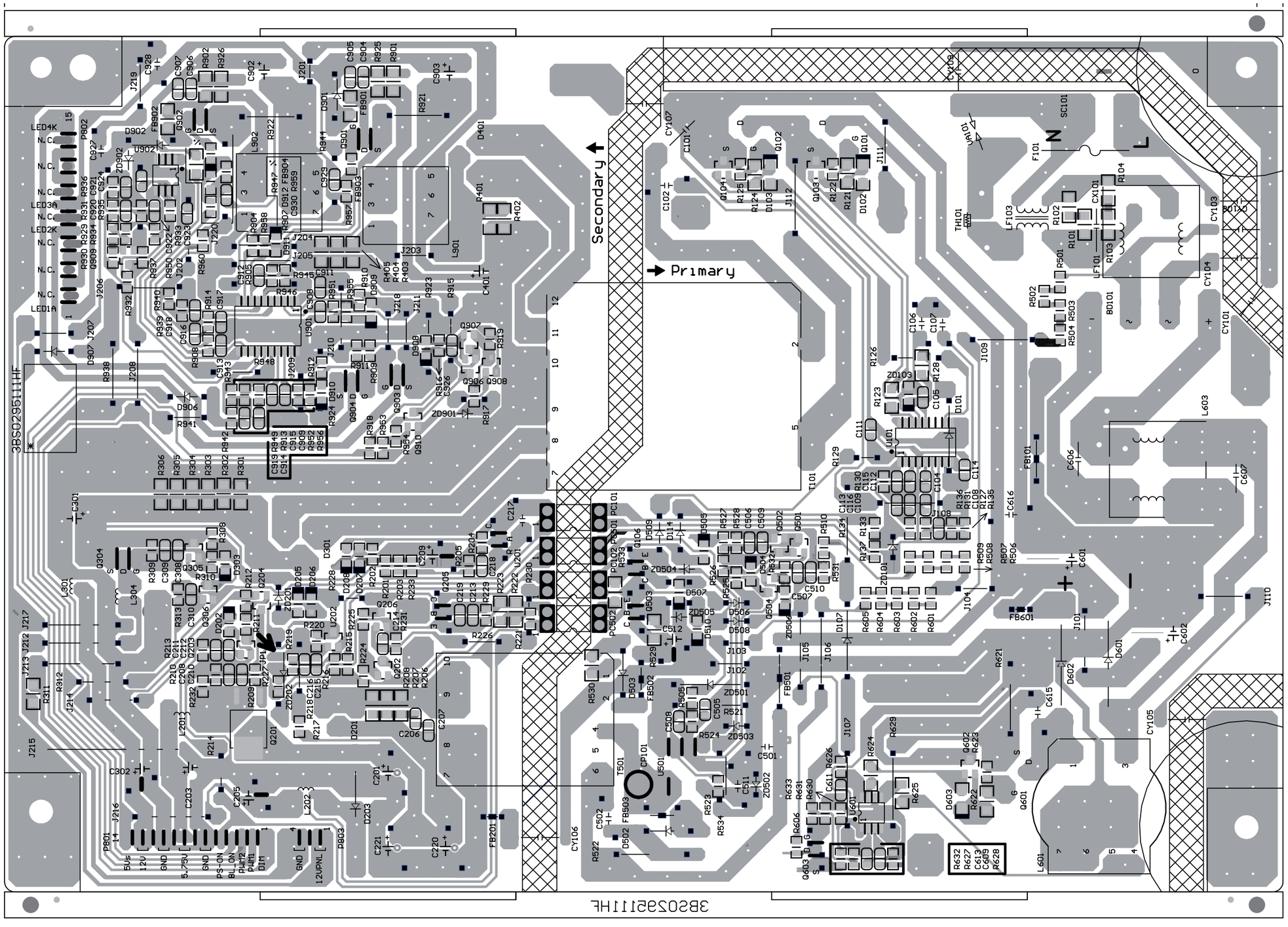
40” / 46” Power Unit PWB 1/2 (RDENCA440WJQZ)

Side A

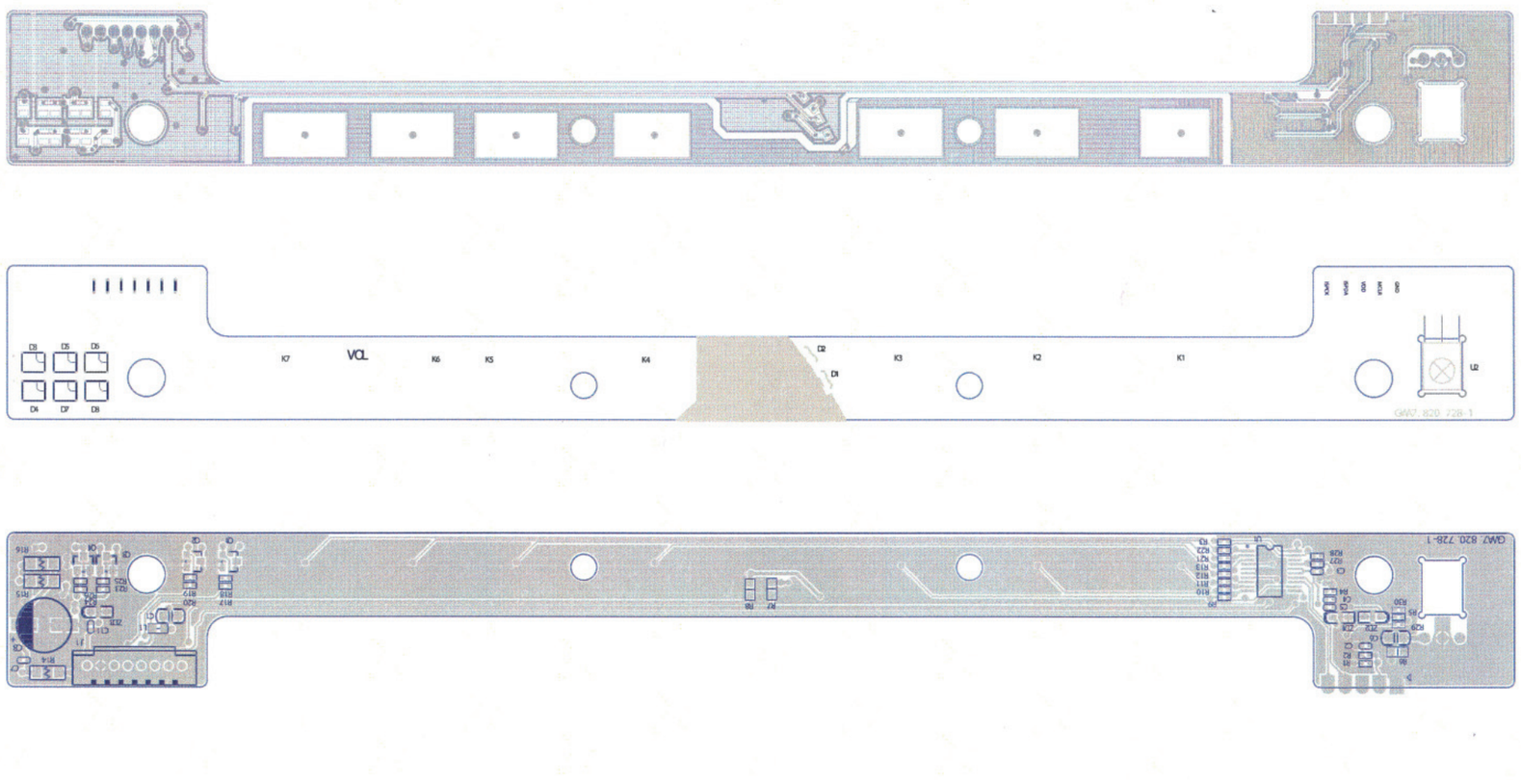


40” / 46” Power Unit PWB 2/2 (RDENCA440WJQZ)

Side B



Control Button Unit PWB (RUNTKA880WJPA2)



PARTS LISTING

REPLACEMENT PARTS

Replacement parts which have special safety characteristics are identified in this manual.
Electrical components having such features are identified by ⚠ in the Replacement Parts Listing.

The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended is not permitted.
Replacement parts not shown in this service manual may create shock fire, or other hazards.

HOW TO ORDER REPLACEMENT PARTS

To have your order completed promptly and correctly please supply the following information.
1. MODEL NUMBER 2. REF. NO. 3. PART NO.
4. DESCRIPTION 5. CODE 6. QUANTITY

MARK *: SPARE PARTS DELIVERY SECTION

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
			LCD PANEL		
			NOTE : THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY		
		R1LK400D3LB43A	40" LCD MODULE LK400D3LB43A	P	DD
		R1LK460D3LB33G	46" LCD MODULE LK460D3LB33G	P	DM
			PRINTED WIRING BOARDS		
		DUNTKF915FM11	ADJUST MAIN UNIT LE732 / LG TUNER	P	CC
⚠		RDENCA440WJQZ	POWER WITH LED DRIVER 40/46" LE730/LE732	P	BN
		RUNTKA880WJPA2	CONTROL BUTTON UNIT LE730/LE732 BLACK	P	BC
			DUNTKF915WE11		
			LE732 -MAIN Unit		
			INTEGRATED CIRCUITS		
	IC 0503	VHIR24002AS-1Y	CI EPROM R1EX24002ASAS0A	P	AB
	IC 0552	VHINJM4565V-1Y	IC NJM4565V-TE1	P	AC
	IC 1100	VHIS172B12E-1Y	CI S-1172B-E6T1G	P	AD
	IC 1105	VHIS172B33E-1Y	CI S-1172B33-E6T1G	P	AC
	IC 1301	RH-IXD310WJZZY	IC LNBH23QTR(QFN32 5x5mm) ST	P	AL
	IC 1305	VHIAVL6211L-1Q	IC DVB-S/S2 DEMOD AVL6211LA	P	AY
	IC 1505	VHIBU16028K-1Q	CI BU16028KV	P	AH
	IC 1506	VHITC7SH08U-1Y	CI TC7SH08FU(TE85L)	P	AB
	IC 2701	VHISTA333BW-1L	CI STA333BW13TR	P	AL
	IC 2702	VHIBH3547F+-1L	CI BH3547-E2	P	AC
	IC 3301	RH-IXD425WJZZQ	IC SUPRA HD ZR39691HGCG-X TRAY ZORAN	P	BE
	IC 3501	RH-IXD242WJQZQ	CI K4B2G1646C-HCH9 DDR3-2G-1333 SAMSUNG	P	BA
	IC 3502	RH-IXD242WJQZQ	CI K4B2G1646C-HCH9 DDR3-2G-1333 SAMSUNG	P	BA
	IC 3503	RH-IXD362WJZZY	IC RT9199GSP DDR3 BUS TERM.REG(RICHTEK)	P	AE
	IC 3601	RH-IXD504WJQZQ	IC H5PS5162GFR-G7C 512Mb DDR2-1066 HYNIX	P	AS
	IC 3701	RH-IXD378WJZZQ	IC SUPRA FRC ZR39301BGCG-TRAY ZORAN	P	BB
	IC 3702	RH-IXD084WJZZY	IC W25X20BVSNIG	P	AE
	IC 4401	VHITC7SH17U-1Y	CI TC7SH17FU(TE85L,F)	P	AC
	IC 4403	VHIS170B50U-1Y	CI S-1170B50UC-0UJTFG	P	AD
	IC 4404	VHILCX373FK-1Y	CI TC74LCX373FK(EJK)	P	AC
	IC 8401	RH-IXD352WJN3Q	MICRON MT29F1G08ABADAWP:D 1Gb SOFTLE732	P	AH
	IC 9501	RH-IXD309WJZZY	IC IP101A LF CI+ FAST ETHERNET TRANCEIVE	P	AF
	IC 9551	RH-IXD187WJZZY	CI AAT4614IGU-2-T1 ANALOGIC TECH	P	AC
	IC 9552	VHI2514BAEZ-1Q	IC USB2514B-AEZG	P	AM
	IC 9553	VHIS170B50U-1Y	CI S-1170B50UC-0UJTFG	P	AD
	IC 9601	VHIBD9329EF-1Y	CI BD9329EFJ-E2	P	AF
	IC 9602	VHIMP28254+-1Y	CI MP28254EL-LF-Z	P	AF
	IC 9603	VHIBD3552HF-1L	IC BD3552HFN-TR	P	AH
	IC 9604	VHIS172B34E-1Y	IC S-1172B34-E6T1G	P	AC
	IC 9605	VHIS135B11M-1Y	IC S-1135B11-M5T1S	P	AC
	IC 9606	VHIS135B12M-1Y	IC S-1135B12-M5T1S	P	AC
	IC 9607	VHIS135B11M-1Y	IC S-1135B11-M5T1S	P	AC
	IC 9608	VHIS135B33M-1Y	IC S-1135B33-M5T1S	P	AC
	IC 9609	VHITC7SH17U-1Y	CI TC7SH17FU(TE85L,F)	P	AC
	IC 9701	VHIBD9329EF-1Y	CI BD9329EFJ-E2	P	AF
	IC 9702	VHIBD3552HF-1L	IC BD3552HFN-TR	P	AH
			TRANSISTORS		
	Q 0501	VSRT1N441U/-1Y	TRT RT1N441U-T111-1	P	AA
	Q 0552	VSIMH23T110-1Y	TRT IMH23T110	P	AC
	Q 1501	VS2SC3928AR-1Y	TRT 2SC3928AR-T112-1R MITSUBISHI	P	AA
	Q 1505	VS2N7002K++-1Y	TRT 2N7002K-RTK/P	P	AA
	Q 2601	VS2SC3928AR-1Y	TRT 2SC3928AR-T112-1R MITSUBISHI	P	AA
	Q 2602	VS2SC3928AR-1Y	TRT 2SC3928AR-T112-1R MITSUBISHI	P	AA
	Q 2604	RH-TXA064WJZZY	TRT AO3415 P-Channel Mosfet ALPHA & OMEG	P	AC
	Q 2703	VSISA1530AC-1Y	DIGITAL TRANSISTOR ISA1530AC1-T112-1R	P	AA
	Q 2705	VSRT1N141U/-1Y	TRT RT1N141U-T111-1	P	AA
	Q 2706	VSIMH23T110-1Y	TRT IMH23T110	P	AC
	Q 3401	VS2SC3928AR-1Y	TRT 2SC3928AR-T112-1R MITSUBISHI	P	AA
	Q 3405	VS2N7002K++-1Y	TRT 2N7002K-RTK/P	P	AA
	Q 4401	VSRT1N441U/-1Y	TRT RT1N441U-T111-1	P	AA
	Q 9501	VSRT1N441U/-1Y	TRT RT1N441U-T111-1	P	AA
	Q 9602	VSKN3904S//-1+	TRT KN3904S-RTK/P	P	AA
	Q 9603	VS2SC3928AR-1Y	TRT 2SC3928AR-T112-1R MITSUBISHI	P	AA
	Q 9604	RH-TXA064WJZZY	TRT AO3415 P-Channel Mosfet ALPHA & OMEG	P	AC
			DIODES		
	D 0501	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 0502	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 0503	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 0504	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 0505	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 0529	VHDDAN202K/-1Y	DIODO DAN202KT146	P	AA
	D 0536	VHPGPFMV51T-1	PHOTODIODO GP1FV51TK0F	P	AF
	D 0556	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 0557	RH-EXA629WJQZY	ZENER DIODE 3,9V RKZ3,9B2KG	P	AA
	D 1301	VHDRB156L40-1Y	DIODO RB156L-40TE25	P	AA
	D 1302	VHDRB156L40-1Y	DIODO RB156L-40TE25	P	AA
	D 1303	VHDD1F60///-1Y	DIODO D1F60-5053	P	AA
	D 1304	VHDRB156L40-1Y	DIODO RB156L-40TE25	P	AA
	D 1305	VHDRB156L40-1Y	DIODO RB156L-40TE25	P	AA
	D 1501	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 1502	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 1503	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 1504	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 1505	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 1506	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 1507	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 1508	RH-EXA741WJQZY	ZENER DIODE DZ2J056M0L	P	AC
	D 1509	VHDRB520S30-1Y	DIODO RB520S-30	P	AA
	D 2702	VHDHSU119//-1Y	DIODO HSU119TRF	P	AB
	D 2703	VHDHSU119//-1Y	DIODO HSU119TRF	P	AB
	D 2706	VHDHSU119//-1Y	DIODO HSU119TRF	P	AB
	D 2707	VHDHSU119//-1Y	DIODO HSU119TRF	P	AB
	D 3401	VHDHSU119//-1Y	DIODO HSU119TRF	P	AB

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	D 4401	VHDDAN202K/-1Y	DIODO DAN202KT146	P	AA
	D 9551	RH-DXA159WJZZY	DIODE RF201L2STE25 ROHM	P	AC
	D 9601	VHDHSU119//-1Y	DIODO HSU119TRF	P	AB
			PACKAGED CIRCUITS		
	SG 0501	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0502	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0503	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0551	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0552	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0553	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0554	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0555	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0556	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0557	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0558	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0559	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0560	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0561	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0562	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0563	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0564	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	SG 0565	RH-VXA187WJQZY	VARISTOR EZAEG2A50AX	P	AD
	VA 1501	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 1502	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 1503	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 1504	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 1505	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 1506	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 1507	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 1508	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 9551	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 9552	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 9553	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 9554	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 9555	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	VA 9556	RH-VXA074WJZZY	VARISTOR AVRL101A1R1NTB	P	AD
	X 3301	RCRSCA219WJQZY	CRYISTAL NX5032GA(EXS00A-CG01569)	P	AF
	X 3701	RCRSCA219WJQZY	CRYISTAL NX5032GA(EXS00A-CG01569)	P	AF
	X 9551	RCRSCA224WJZZY	CRYSTAL AT-41CD2-24.000MHz_20_N_NDK	P	AC
			COILS AND FILTERS		
	FB 0501	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 0502	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 0503	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 0504	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 0505	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 0506	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 0507	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 0508	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 0512	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 1105	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 1109	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 1111	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 1112	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 1113	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 1114	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	FB 1115	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 1302	RBLN-A528WJZZY	FERRITA HI0805N600R-10	P	AA
	FB 1303	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 1304	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 1305	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 1306	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 1307	RBLN-A528WJZZY	FERRITA HI0805N600R-10	P	AA
	FB 1308	RBLN-A528WJZZY	FERRITA HI0805N600R-10	P	AA
	FB 1501	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 2603	RBLN-A528WJZZY	FERRITA HI0805N600R-10	P	AA
	FB 2702	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 2703	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 2704	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 2705	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 2706	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 2707	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 2708	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 2709	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 2711	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 2712	RBLN-A528WJZZY	FERRITA HI0805N600R-10	P	AA
	FB 3301	VRS-CY1JF000JY	RES 0603 0 OHM 5% 1/10W SMD	P	AA
	FB 3401	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3403	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3404	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3405	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3406	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3407	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3408	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3409	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3410	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3411	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3412	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3413	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3414	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3415	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3416	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3417	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3418	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3419	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3420	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3421	VRS-CY1JF000JY	RES 0603 0 OHM 5% 1/10W SMD	P	AA
	FB 3422	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3501	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3502	VRS-CY1JF000JY	RES 0603 0 OHM 5% 1/10W SMD	P	AA
	FB 3601	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3701	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 3702	RBLN-A528WJZZY	FERRITA HI0805N600R-10	P	AA
	FB 3703	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 4402	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9501	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9502	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9503	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9504	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9552	RBLN-A528WJZZY	FERRITA HI0805N600R-10	P	AA
	FB 9553	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9554	RBLN-A528WJZZY	FERRITA HI0805N600R-10	P	AA

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	FB 9601	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9602	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9603	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9604	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9605	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9606	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9607	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9608	VRS-TV1JD000JY	RES 2125 0 OHM 5% 1/10W SMD	P	AA
	FB 9609	RBLN-A528WJZZY	FERRITA HI0805N600R-10	P	AA
	FB 9610	VRS-CY1JF000JY	RES 0603 0 OHM 5% 1/10W SMD	P	AA
	FB 9611	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9612	VRS-CY1JF000JY	RES 0603 0 OHM 5% 1/10W SMD	P	AA
	FB 9613	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9614	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9615	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9616	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9617	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9618	RBLN-A529WJZZY	FERRITE MI0603M121R-10	P	AE
	FB 9701	RBLN-A528WJZZY	FERRITA HI0805N600R-10	P	AA
	L 1101	VPDBNR33JR45NY	BOBINA NLV25T-R33J-PF	P	AB
	L 1102	VPDBNR33JR45NY	BOBINA NLV25T-R33J-PF	P	AB
	L 1301	RCILPB017WJQZY	COIL SWPA6045S330	P	AB
	L 1302	RCILPB016WJQZY	COIL SWPA6045S220	P	AD
	L 1303	RCILP0303TAZZY	COIL SLF10145-221MR65	P	AD
	L 2601	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2602	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2603	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2604	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2605	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2606	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2607	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2608	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2609	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2610	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2611	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2612	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2613	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2614	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2615	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2616	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2617	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2618	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2619	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2620	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2621	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2622	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2623	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2624	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 2701	RCILPB016WJQZY	COIL SWPA6045S220	P	AD
	L 2702	RCILPB016WJQZY	COIL SWPA6045S220	P	AD
	L 2703	RCILPB016WJQZY	COIL SWPA6045S220	P	AD
	L 2704	RCILPB016WJQZY	COIL SWPA6045S220	P	AD
	L 3301	VRK-SB1FF000JY	RES 0 OHM 5% 1/32W SMD	P	AA
	L 3302	VRK-SB1FF000JY	RES 0 OHM 5% 1/32W SMD	P	AA
	L 3303	VRK-SB1FF000JY	RES 0 OHM 5% 1/32W SMD	P	AA
	L 3304	VRK-SB1FF000JY	RES 0 OHM 5% 1/32W SMD	P	AA
	L 3305	VRK-SB1FF000JY	RES 0 OHM 5% 1/32W SMD	P	AA
	L 3306	VRK-SB1FF000JY	RES 0 OHM 5% 1/32W SMD	P	AA
	L 3337	VPDBN1R8J1R1NY	BOBINA NLV25T-1R8J-PF	P	AB
	L 3338	VPDBN1R8J1R1NY	BOBINA NLV25T-1R8J-PF	P	AB
	L 9551	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 9552	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 9553	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 9554	VRS-CA1JF000JY	ARRAY 2 RES 0 OHM 5% 1/16W SMD	P	AE
	L 9601	RCILPB014WJQZY	COIL SWPA6045S100	P	AC
	L 9602	RCILPB011WJQZY	COIL SWPA6045S2R7	P	AB
	L 9701	RCILPB014WJQZY	COIL SWPA6045S100	P	AC
			TUNER		
	TU 1101	RTUDAA090WJQZ	TUNER TDSV-G081D LOW IF DVB-T/T2/C LG	P	AV
	T 1102	RTUDSA029WJQZ	DIGITAL DBS TUNER A3BS2S7HZ6702W	P	AX
			CAPACITORS		
	C 0501	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	
	C 0502	VCCCCZ1HH331JY	CERAM C 0402 330PF 50V 5%	P	AA
	C 0503	VCCCCZ1HH331JY	CERAM C 0402 330PF 50V 5%	P	AA
	C 0504	VCCCCZ1HH561JY	CERAM C 0402 560PF 50V 5%	P	AA
	C 0505	VCCCCZ1HH100DY	C CERAM 0402 10PF 50V 0,5%	P	AA
	C 0506	VCCCCZ1HH561JY	CERAM C 0402 560PF 50V 5%	P	AA
	C 0507	VCCCCY1HH101JY	CONDENSADOR GRM39CK 101J 50 (1608)SMD	P	AA
	C 0508	VCCCCZ1HH100DY	C CERAM 0402 10PF 50V 0,5%	P	AA
	C 0510	VCCCCZ1HH100DY	C CERAM 0402 10PF 50V 0,5%	P	AA
	C 0512	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 0513	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 0514	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 0515	VCKYCZ1HB472KY	C CERAM 0402 4,7NF 50V 10%	P	AA
	C 0516	VCKYCZ1AB474KY	C CERAM 0402 470NF 10V 10%	P	AB
	C 0517	VCKYCZ1AB474KY	C CERAM 0402 470NF 10V 10%	P	AB
	C 0537	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 0538	VCCCCZ1HH220JY	CERAM C 0402 22PF 50V 5%	P	AA
	C 0539	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 0554	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 0555	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 0557	VCCCCZ1HH331JY	CERAM C 0402 330PF 50V 5%	P	AA
	C 0558	VCCCCZ1HH331JY	CERAM C 0402 330PF 50V 5%	P	AA
	C 0559	VCCCCZ1HH470JY	CERAM C 0402 47PF 50V 5%	P	AA
	C 0560	VCCCCZ1HH470JY	CERAM C 0402 47PF 50V 5%	P	AA
	C 0561	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 0562	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 0563	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 0566	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 0568	VCEASY1CN107MY	C ELEC 100UF 20% 16V MVL16VC100MF61	P	AB
	C 0572	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 0573	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 0574	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 0575	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 0576	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 0577	VCAAPE0JJ227MY	C ELEC 220UF 20% 6,3V 6SVP100M	P	AH
	C 0580	VCCCCZ1HH271JY	C CERAM 0402 270PF 50V 5%	P	AA
	C 0581	VCKYCZ1HB471KY	C CERAM 0402 470PF 50V 10%	P	AA
	C 0582	VCKYCZ1HB471KY	C CERAM 0402 470PF 50V 10%	P	AA

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	C 0585	VCCCCZ1HH100DY	C CERAM 0402 10PF 50V 0,5%	P	AA
	C 0586	VCCCCZ1HH100DY	C CERAM 0402 10PF 50V 0,5%	P	AA
	C 0587	VCCCCZ1HH100DY	C CERAM 0402 10PF 50V 0,5%	P	AA
	C 0588	VCCCCZ1HH331JY	CERAM C 0402 330PF 50V 5%	P	AA
	C 0589	VCCCCZ1HH331JY	CERAM C 0402 330PF 50V 5%	P	AA
	C 0590	VCCCCZ1HH100DY	C CERAM 0402 10PF 50V 0,5%	P	AA
	C 0591	VCCCCZ1HH100DY	C CERAM 0402 10PF 50V 0,5%	P	AA
	C 0592	VCCCCZ1HH100DY	C CERAM 0402 10PF 50V 0,5%	P	AA
	C 0593	VCCCCZ1HH331JY	CERAM C 0402 330PF 50V 5%	P	AA
	C 0594	VCCCCZ1HH561JY	CERAM C 0402 560PF 50V 5%	P	AA
	C 0595	VCCCCZ1HH561JY	CERAM C 0402 560PF 50V 5%	P	AA
	C 0596	VCCCCZ1HH680JY	C CERAM 0402 68PF 50V 5%	P	AA
	C 0597	VCCCCZ1HH561JY	CERAM C 0402 560PF 50V 5%	P	AA
	C 0598	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 0599	VCCCCZ1HH680JY	C CERAM 0402 68PF 50V 5%	P	AA
	C 0600	VCCCCZ1HH470JY	CERAM C 0402 47PF 50V 5%	P	AA
	C 0601	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 0602	VCKYCZ1HB472KY	C CERAM 0402 4,7NF 50V 10%	P	AA
	C 0603	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 0604	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 0605	VCKYCZ1AB474KY	C CERAM 0402 470NF 10V 10%	P	AB
	C 0606	VCKYCZ1AB474KY	C CERAM 0402 470NF 10V 10%	P	AB
	C 0607	VCCCCZ1HH331JY	CERAM C 0402 330PF 50V 5%	P	AA
	C 0608	VCCCCZ1HH561JY	CERAM C 0402 560PF 50V 5%	P	AA
	C 0609	VCKYCZ1AB474KY	C CERAM 0402 470NF 10V 10%	P	AB
	C 0610	VCKYCZ1AB474KY	C CERAM 0402 470NF 10V 10%	P	AB
	C 0611	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 1100	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 1102	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 1104	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 1105	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1107	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1135	VCCCCZ1HH150JY	C CERAM 0402 15PF 50V 5%	P	AA
	C 1141	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1144	VCCCCZ1HH150JY	C CERAM 0402 15PF 50V 5%	P	AA
	C 1145	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 1148	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 1150	VCEASY0JN477MY	C ELEC 470UF 6,3V MLA6,3VC470MF80	P	AF
	C 1151	VCCCCZ1HH220JY	CERAM C 0402 22PF 50V 5%	P	AA
	C 1152	VCKYCZ1HB472KY	C CERAM 0402 4,7NF 50V 10%	P	AA
	C 1153	VCCCCZ1HH220JY	CERAM C 0402 22PF 50V 5%	P	AA
	C 1154	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 1160	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1161	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 1162	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 1166	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1167	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1170	VCKYCZ1HB471KY	C CERAM 0402 470PF 50V 10%	P	AA
	C 1304	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1305	VCAAPE0JJ227MY	C ELEC 220UF 20% 6,3V 6SVP100M	P	AH
	C 1306	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 1307	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1309	VCKYCZ1EB822KY	C CERAM 0402 8,2NF 25V 10%	P	AA

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	C 1310	VCKYCZ1EB103KY	C CERAM 0402 10NF 25V 10%	P	AA
	C 1311	VCKYTV1EB474KY	C CERAM 470NF 25V 2125SMD	P	AA
	C 1312	VCEASY1EN107MY	C ELEC 100UF 20% 25V MLA25VC100MF80	P	AA
	C 1313	VCEASY1EN107MY	C ELEC 100UF 20% 25V MLA25VC100MF80	P	AA
	C 1314	RC-KZA709WJQZY	C CERAM 0,22 UF 25V TMK107BJ224KA-T	P	AA
	C 1315	VCKYTV1EB474KY	C CERAM 470NF 25V 2125SMD	P	AA
	C 1316	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 1317	RC-KZA709WJQZY	C CERAM 0,22 UF 25V TMK107BJ224KA-T	P	AA
	C 1319	RC-KZA709WJQZY	C CERAM 0,22 UF 25V TMK107BJ224KA-T	P	AA
	C 1320	VCEASY1EN107MY	C ELEC 100UF 20% 25V MLA25VC100MF80	P	AA
	C 1321	RC-KZA383WJZZY	C CERAM TMK2316BJ106KLFT 10UF 25V 10%	P	AA
	C 1322	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1323	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1324	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 1325	VCKYCZ1EB103KY	C CERAM 0402 10NF 25V 10%	P	AA
	C 1329	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1336	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 1350	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1351	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1352	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1353	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 1355	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1358	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 1359	VCCCCZ1HH330JY	C CERAM 0402 33PF 50V 5%	P	AA
	C 1360	VCCCCZ1HH330JY	C CERAM 0402 33PF 50V 5%	P	AA
	C 1361	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 1362	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1363	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1364	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1365	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1366	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1368	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1371	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 1373	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1374	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1376	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1377	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 1381	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1383	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1384	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1386	VCCCCZ1HH330JY	C CERAM 0402 33PF 50V 5%	P	AA
	C 1388	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1389	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1390	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1392	VCCCCZ1HH330JY	C CERAM 0402 33PF 50V 5%	P	AA
	C 1393	VCCCCZ1HH180JY	CERAM C 0402 18PF 50V 5%	P	AA
	C 1395	VCEASY0JN477MY	C ELEC 470UF 6,3V MLA6,3VC470MF80	P	AF
	C 1396	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1397	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1501	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1502	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1503	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1504	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	C 1505	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 1506	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1507	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 1508	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1509	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 1511	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1512	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 1513	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1514	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 1517	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 1518	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1519	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 1520	VCEASK0JN227MY	C ELEC 220UF 20% 6,3V MVY6,3VC220MF60	P	AC
	C 1521	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2605	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 2606	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2607	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2608	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 2609	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2702	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 2703	VCKYTV1CB104KY	C CERAM 100NF 16V 2125SMD	P	AB
	C 2704	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 2705	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 2706	VCKYCZ1HB472KY	C CERAM 0402 4,7NF 50V 10%	P	AA
	C 2707	VCCCCZ1HH101JY	C CERAM 0402 100PF 50V 5%	P	AA
	C 2708	VCCCCZ1HH681JY	C CERAM 0402 680PF 50V 5%	P	AA
	C 2709	VCKYTV1CB104KY	C CERAM 100NF 16V 2125SMD	P	AB
	C 2710	VCKYTV1CB104KY	C CERAM 100NF 16V 2125SMD	P	AB
	C 2711	VCKYTV1CB104KY	C CERAM 100NF 16V 2125SMD	P	AB
	C 2712	VCKYTV1CB104KY	C CERAM 100NF 16V 2125SMD	P	AB
	C 2713	VCKYTV1CB104KY	C CERAM 100NF 16V 2125SMD	P	AB
	C 2714	RC-KZA621WJQZY	C CERAM 1uF 25V TMK107BJ105KAFT	P	AA
	C 2715	VCKYTV1CB104KY	C CERAM 100NF 16V 2125SMD	P	AB
	C 2716	RC-KZA621WJQZY	C CERAM 1uF 25V TMK107BJ105KAFT	P	AA
	C 2717	VCKYCZ1HB331KY	C CERAM 0402 330PF 50V 10%	P	AA
	C 2718	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2719	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 2720	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 2721	VCKYCZ1HB331KY	C CERAM 0402 330PF 50V 10%	P	AA
	C 2722	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 2723	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 2724	VCEASX1CN476MY	C ELEC 47UF 16V MVL16VC47MF60E1	P	AD
	C 2725	RC-EZ1339CEZZY	C ELEC 220UF 16V	P	AF
	C 2726	RC-EZ1339CEZZY	C ELEC 220UF 16V	P	AF
	C 2727	VCCCCZ1HH220JY	CERAM C 0402 22PF 50V 5%	P	AA
	C 2728	VCCCCZ1HH220JY	CERAM C 0402 22PF 50V 5%	P	AA
	C 2729	RC-EZ1339CEZZY	C ELEC 220UF 16V	P	AF
	C 2730	VCKYCZ1HB331KY	C CERAM 0402 330PF 50V 10%	P	AA
	C 2731	VCKYCZ1HB331KY	C CERAM 0402 330PF 50V 10%	P	AA
	C 2732	VCKYCZ1HB331KY	C CERAM 0402 330PF 50V 10%	P	AA
	C 2733	VCKYCZ1AB474KY	C CERAM 0402 470NF 10V 10%	P	AB
	C 2734	VCKYTV1CB684KY	C CERAM 680NF 16V 2125SMD	P	AB
	C 2735	VCKYTV1CB684KY	C CERAM 680NF 16V 2125SMD	P	AB

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	C 2736	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2737	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2738	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2739	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2740	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2741	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2742	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 2743	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 2744	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2745	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 2746	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 2747	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 2748	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 2749	RC-EZ1339CEZZY	C ELEC 220UF 16V	P	AF
	C 2751	VCEASX1CN476MY	C ELEC 47UF 16V MVL16VC47MF60E1	P	AD
	C 3301	VCCCCZ1HH200JY	CERAM C 0402 20PF 50V 5%	P	AA
	C 3302	VCCCCZ1HH200JY	CERAM C 0402 20PF 50V 5%	P	AA
	C 3304	VCCCCZ1HH391JY	CERAM C 0402 390PF 50V 5%	P	AA
	C 3305	VCKYCZ1CB123KY	C CERAM 0402 12NF 16V 10%	P	AA
	C 3306	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3307	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3308	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3309	VCKYCZ1HB332KY	C CERAM 0402 3,3NF 50V 10%	P	AA
	C 3310	VCCCCZ1HH101JY	C CERAM 0402 100PF 50V 5%	P	AA
	C 3311	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3312	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3313	VCCCCZ1HH221JY	CERAM C 0402 220PF 50V 5%	P	AA
	C 3314	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3315	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 3316	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3317	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3320	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 3321	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 3322	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 3323	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3324	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 3325	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3326	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 3327	VCCCCZ1HH221JY	CERAM C 0402 220PF 50V 5%	P	AA
	C 3328	VCCCCZ1HH221JY	CERAM C 0402 220PF 50V 5%	P	AA
	C 3329	VCCCCZ1HH221JY	CERAM C 0402 220PF 50V 5%	P	AA
	C 3330	VCCCCZ1HH180JY	CERAM C 0402 18PF 50V 5%	P	AA
	C 3331	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 3332	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3333	VCEASY0JN477MY	C ELEC 470UF 6,3V MLA6,3VC470MF80	P	AF
	C 3334	VCKYCZ1CB473KY	C CERAM 0402 47NF 16V 10%	P	AB
	C 3335	VCCCCZ1HH221JY	CERAM C 0402 220PF 50V 5%	P	AA
	C 3336	VCCCCZ1HH180JY	CERAM C 0402 18PF 50V 5%	P	AA
	C 3337	VCCCCZ1HH221JY	CERAM C 0402 220PF 50V 5%	P	AA
	C 3401	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3402	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3403	VCKYCZ1HB331KY	C CERAM 0402 330PF 50V 10%	P	AA
	C 3404	VCKYCZ1HB331KY	C CERAM 0402 330PF 50V 10%	P	AA

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	C 3405	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3406	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3407	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3410	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 3411	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3412	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 3413	RC-KZA810WJQZY	C CERAM 4,7UF GRM155B30G475ME87D	P	AB
	C 3414	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3415	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3416	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3417	RC-KZA810WJQZY	C CERAM 4,7UF GRM155B30G475ME87D	P	AB
	C 3418	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3419	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3420	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3421	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 3422	VCKYCY0JB105KY	CONDENSADOR GRM39B 105K 6.3 (1608)SMD	P	AB
	C 3423	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3424	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3425	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3426	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3427	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3428	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3429	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3430	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3431	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3432	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3433	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3434	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 3435	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3436	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3437	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3438	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3439	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3440	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3441	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3442	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3443	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3444	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3449	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3450	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3451	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 3452	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3453	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3454	VCKYCZ0GB225MY	C CERAM 0402 2,2UF 4V 10%	P	AC
	C 3455	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3456	VCKYCZ0GB225MY	C CERAM 0402 2,2UF 4V 10%	P	AC
	C 3457	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3458	VCKYCZ0GB225MY	C CERAM 0402 2,2UF 4V 10%	P	AC
	C 3459	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3460	VCKYCZ0GB225MY	C CERAM 0402 2,2UF 4V 10%	P	AC
	C 3461	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3462	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3463	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3464	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 3465	VCKYCZ0GB225MY	C CERAM 0402 2,2UF 4V 10%	P	AC
	C 3466	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3467	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3468	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3469	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3470	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3471	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3472	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 3473	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3474	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3475	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3476	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3477	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3478	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 3479	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 3480	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3481	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 3482	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 3483	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3484	VCEASX1CN476MY	C ELEC 47UF 16V MVL16VC47MF60E1	P	AD
	C 3485	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3501	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3502	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3503	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3504	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3505	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 3506	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3507	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 3508	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3509	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3510	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3511	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3512	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3513	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3514	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3515	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3516	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3517	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3518	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3519	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3520	VCAAPE0JJ227MY	C ELEC 220UF 20% 6,3V 6SVP100M	P	AH
	C 3521	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3522	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3523	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3524	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3525	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3526	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3527	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3528	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3529	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3530	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3531	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	C 3532	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3533	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3534	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3535	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3536	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3537	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3538	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3539	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3540	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3541	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3542	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3543	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3544	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3545	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3546	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3547	VCEASX0JN107MY	C ELEC 100UF 6,3V MVL6,3VC100MF60E1	P	AA
	C 3548	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3549	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3601	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3602	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3603	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3604	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3605	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3606	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 3607	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3608	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3609	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3610	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 3611	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 3615	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3616	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3701	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 3702	VCKYCZ1HB102KY	C CERAM 0402 1NF 50V 10%	P	AA
	C 3703	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3704	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3705	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 3706	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 3707	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3708	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3709	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3710	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3711	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3712	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3713	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3714	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3715	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3716	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3717	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3718	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3719	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3720	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3721	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3722	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	C 3723	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3724	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3725	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3726	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3727	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3728	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3729	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3730	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3731	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3732	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3733	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3734	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3735	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3736	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3737	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3738	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3739	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3740	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3741	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 3742	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 3743	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3744	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 3745	VCCCCZ1HH200JY	CERAM C 0402 20PF 50V 5%	P	AA
	C 3746	VCCCCZ1HH200JY	CERAM C 0402 20PF 50V 5%	P	AA
	C 3747	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3748	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 3749	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 3750	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 4401	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 4402	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 4403	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 4405	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 4406	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 4407	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 4408	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 4409	VCEASX0JN107MY	C ELEC 100UF 6,3V MVL6,3VC100MF60E1	P	AA
	C 4410	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 4415	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 4416	VCKYCZ0JF105ZY	C CERAM 0402 1uF 6,3V 20%	P	AD
	C 8401	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 8402	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9501	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9503	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 9504	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9505	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 9506	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9507	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 9508	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 9510	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9511	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9512	RC-KZA523WJQZY	C CERAM 1000PF 2000V GR442QR73D102KW01L	P	AC
	C 9514	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 9515	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	C 9517	VCEASX1CN476MY	C ELEC 47UF 16V MVL16VC47MF60E1	P	AD
	C 9520	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 9551	RC-KZA616WJQZY	C CERAM 10uF 10V LMK212BJ106KGFT	P	AA
	C 9552	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9553	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9554	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9556	VCAAPE1AJ127MY	C ELEC 120UF 20% 10V LOW ESR	P	AD
	C 9557	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9559	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9560	VCAAPE0JJ227MY	C ELEC 220UF 20% 6,3V 6SVP100M	P	AH
	C 9561	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9562	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9563	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9564	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9565	VCKYCY0JB105KY	CONDENSADOR GRM39B 105K 6.3 (1608)SMD	P	AB
	C 9566	VCCCCZ1HH120JY	C CERAM 0402 12PF 50V 5%	P	AA
	C 9567	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9568	VCCCCZ1HH120JY	C CERAM 0402 12PF 50V 5%	P	AA
	C 9569	VCKYCY0JB105KY	CONDENSADOR GRM39B 105K 6.3 (1608)SMD	P	AB
	C 9570	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9571	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9572	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9573	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9574	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 9575	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 9576	RC-KZA616WJQZY	C CERAM 10uF 10V LMK212BJ106KGFT	P	AA
	C 9577	RC-KZA616WJQZY	C CERAM 10uF 10V LMK212BJ106KGFT	P	AA
	C 9601	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 9604	VCEASX0JN107MY	C ELEC 100UF 6,3V MVL6,3VC100MF60E1	P	AA
	C 9605	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9606	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9607	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 9608	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 9609	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 9610	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 9611	VCEASY1CN107MY	C ELEC 100UF 20% 16V MVL16VC100MF61	P	AB
	C 9612	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9613	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 9614	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9615	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 9617	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9618	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 9619	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9620	VCCCCZ1HH150JY	C CERAM 0402 15PF 50V 5%	P	AA
	C 9621	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 9622	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 9623	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 9624	VCKYCY0JB105KY	CONDENSADOR GRM39B 105K 6.3 (1608)SMD	P	AB
	C 9626	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 9627	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 9628	VCKYCZ1HB332KY	C CERAM 0402 3,3NF 50V 10%	P	AA
	C 9629	VCKYCZ1EB103KY	C CERAM 0402 10NF 25V 10%	P	AA
	C 9630	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	C 9631	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 9632	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9633	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9634	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9635	VCAAPE0JJ227MY	C ELEC 220UF 20% 6,3V 6SVP100M	P	AH
	C 9636	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9637	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 9638	VCKYCY0JB105KY	CONDENSADOR GRM39B 105K 6.3 (1608)SMD	P	AB
	C 9639	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 9640	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9641	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 9642	VCKYCY0JB105KY	CONDENSADOR GRM39B 105K 6.3 (1608)SMD	P	AB
	C 9643	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 9644	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9645	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 9646	VCKYCY0JB105KY	CONDENSADOR GRM39B 105K 6.3 (1608)SMD	P	AB
	C 9647	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 9648	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9649	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 9650	VCKYCY0JB105KY	CONDENSADOR GRM39B 105K 6.3 (1608)SMD	P	AB
	C 9651	RC-KZA116WJZZY	C CERAM 4,7UF 6,3V GRM188B30J475KE18D	P	AD
	C 9652	VCKYCZ1CB103KY	C CERAM 0402 10NF 16V 10%	P	AA
	C 9653	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 9654	VCKYCZ1HB472KY	C CERAM 0402 4,7NF 50V 10%	P	AA
	C 9655	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9656	VCKYCY0JB105KY	CONDENSADOR GRM39B 105K 6.3 (1608)SMD	P	AB
	C 9658	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 9659	VCKYCZ1EB103KY	C CERAM 0402 10NF 25V 10%	P	AA
	C 9660	VCKYCZ1HB332KY	C CERAM 0402 3,3NF 50V 10%	P	AA
	C 9661	RC-KZA385WJZZY	C CERAM 22UF 6,3V JMK212BJ226KG-T	P	AE
	C 9662	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9664	VCAAPE0JJ227MY	C ELEC 220UF 20% 6,3V 6SVP100M	P	AH
	C 9665	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 9701	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 9702	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 9703	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 9704	RC-KZA926WJQZY	C CERAM 10uF 6,3V GRM188B30J106ME47D	P	AA
	C 9705	VCKYCZ1EF104ZY	C CERAM 0402 100NF 25V 20%	P	AD
	C 9706	RC-KZA237WJZZY	C CERAM EMK212BJ106KGFT 10UF 16V 10%	P	AD
	C 9707	VCKYCZ1CB682KY	C CERAM 0402 6,8NF 16V 10%	P	AA
	C 9708	VCKYCZ1CF103ZY	C CERAM 0402 10NF 16V 20%	P	AA
	C 9709	VCCCCZ1HH220JY	CERAM C 0402 22PF 50V 5%	P	AA
			RESISTORS		
	R 0502	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 0503	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 0504	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 0505	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 0506	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 0508	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 0509	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 0510	VRS-CZ1JF123JY	RES 0402 12KOHM 5% 1/16W SMD	P	AA
	R 0511	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	R 0512	VRS-CZ1JF470JY	RES 0402 47 OHM 5% 1/16W SMD	P	AA
	R 0513	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 0514	VRS-CZ1JF332JY	RES 0402 3,3KOHM 5% 1/16W SMD	P	AA
	R 0515	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 0516	VRS-CZ1JF470JY	RES 0402 47 OHM 5% 1/16W SMD	P	AA
	R 0517	VRS-CZ1JF182JY	RES 0402 1,8KOHM 5% 1/16W SMD	P	AA
	R 0518	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 0519	VRS-CZ1JF470JY	RES 0402 47 OHM 5% 1/16W SMD	P	AA
	R 0551	VRS-CZ1JF221JY	RES 0402 220 OHM 5% 1/16W SMD	P	AA
	R 0552	VRS-CZ1JF221JY	RES 0402 220 OHM 5% 1/16W SMD	P	AA
	R 0555	VRS-CZ1JF104JY	RES 0402 100KOHM 5% 1/16W SMD	P	AA
	R 0556	VRS-CZ1JF104JY	RES 0402 100KOHM 5% 1/16W SMD	P	AA
	R 0557	VRS-CZ1JF100JY	RES 0402 10 OHM 5% 1/16W SMD	P	AA
	R 0558	VRS-CZ1JF100JY	RES 0402 10 OHM 5% 1/16W SMD	P	AA
	R 0561	VRS-CZ1JF223JY	RES 0402 22KOHM 5% 1/16W SMD	P	AA
	R 0562	VRS-CZ1JF223JY	RES 0402 22KOHM 5% 1/16W SMD	P	AA
	R 0563	VRS-CZ1JF223JY	RES 0402 22KOHM 5% 1/16W SMD	P	AA
	R 0565	VRS-CZ1JF223JY	RES 0402 22KOHM 5% 1/16W SMD	P	AA
	R 0567	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 0568	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 0569	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 0572	VRS-CZ1JF471JY	RES 0402 470 OHM 5% 1/16W SMD	P	AA
	R 0573	VRS-CZ1JF471JY	RES 0402 470 OHM 5% 1/16W SMD	P	AA
	R 0574	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 0575	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 0576	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 0577	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 0578	VRS-CZ1JF470JY	RES 0402 47 OHM 5% 1/16W SMD	P	AA
	R 0579	VRS-CZ1JF470JY	RES 0402 47 OHM 5% 1/16W SMD	P	AA
	R 0580	VRS-CZ1JF470JY	RES 0402 47 OHM 5% 1/16W SMD	P	AA
	R 0581	VRS-CZ1JF3R3JY	RES 0402 3,3 OHM 5% 1/16W SMD	P	AA
	R 0582	VRS-CZ1JF123JY	RES 0402 12KOHM 5% 1/16W SMD	P	AA
	R 0584	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 0585	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 0586	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 0589	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 0590	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 0591	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 0592	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 0593	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 0594	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 0595	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 0596	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 0597	VRS-CZ1JF470JY	RES 0402 47 OHM 5% 1/16W SMD	P	AA
	R 0598	VRS-CZ1JF510JY	RES 0402 51 OHM 5% 1/16W SMD	P	AA
	R 0599	VRS-CZ1JF123JY	RES 0402 12KOHM 5% 1/16W SMD	P	AA
	R 0600	VRS-CZ1JF470JY	RES 0402 47 OHM 5% 1/16W SMD	P	AA
	R 0601	VRS-CZ1JF470JY	RES 0402 47 OHM 5% 1/16W SMD	P	AA
	R 0602	VRS-CZ1JF470JY	RES 0402 47 OHM 5% 1/16W SMD	P	AA
	R 0603	VRS-CZ1JF470JY	RES 0402 47 OHM 5% 1/16W SMD	P	AA
	R 0604	VRS-CZ1JF240JY	RES 0402 24 OHM 5% 1/16W SMD	P	AA
	R 0605	VRS-CZ1JF123JY	RES 0402 12KOHM 5% 1/16W SMD	P	AA
	R 0606	VRS-CZ1JF123JY	RES 0402 12KOHM 5% 1/16W SMD	P	AA
	R 0607	VRS-CZ1JF100JY	RES 0402 10 OHM 5% 1/16W SMD	P	AA
	R 0608	VRS-CZ1JF113JY	RES 0402 11KOHM 5% 1/16W SMD	P	AA
	R 0609	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 0610	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 0611	VRS-CZ1JF123JY	RES 0402 12KOHM 5% 1/16W SMD	P	AA
	R 0612	VRS-CZ1JF100JY	RES 0402 10 OHM 5% 1/16W SMD	P	AA
	R 0614	VRS-CZ1JF104JY	RES 0402 100KOHM 5% 1/16W SMD	P	AA
	R 0615	VRS-CZ1JF104JY	RES 0402 100KOHM 5% 1/16W SMD	P	AA
	R 1104	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 1106	VRS-CZ1JF202JY	RES 0402 2KOHM 5% 1/16W SMD	P	AA
	R 1107	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 1108	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 1125	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1136	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1301	VRS-CZ1JF104JY	RES 0402 100KOHM 5% 1/16W SMD	P	AA
	R 1306	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1307	VRS-CZ1JF222JY	RES 0402 2,2KOHM 5% 1/16W SMD	P	AA
	R 1308	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 1309	VRS-CZ1JF222JY	RES 0402 2,2KOHM 5% 1/16W SMD	P	AA
	R 1310	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1311	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1312	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 1313	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1314	VRS-CZ1JF113JY	RES 0402 11KOHM 5% 1/16W SMD	P	AA
	R 1316	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1322	VRS-TQ2BD3R3JY	RES OX 3,3 OHM 5% 1/8W SMD	P	AA
	R 1323	VRS-CZ1JF150JY	RES 0402 15 OHM 5% 1/16W SMD	P	AA
	R 1339	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 1350	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1351	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1352	VRS-CZ1JF272JY	RES 0402 2,7KOHM 5% 1/16W SMD	P	AA
	R 1353	VRS-CZ1JF272JY	RES 0402 2,7KOHM 5% 1/16W SMD	P	AA
	R 1354	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1355	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1356	VRS-CZ1JF181JY	RES 0402 180 OHM 5% 1/16W SMD	P	AA
	R 1359	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 1361	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1363	VRK-SA1JF100JY	RES 10 OHM 5% 1/16W SMD	P	AA
	R 1364	VRK-SA1JF100JY	RES 10 OHM 5% 1/16W SMD	P	AA
	R 1365	VRK-SA1JF100JY	RES 10 OHM 5% 1/16W SMD	P	AA
	R 1368	VRK-SA1JF100JY	RES 10 OHM 5% 1/16W SMD	P	AA
	R 1370	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1371	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1372	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1373	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1374	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 1375	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 1376	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1377	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1378	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1379	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1501	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1502	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	R 1503	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 1504	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 1505	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 1506	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 1507	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1508	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1509	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 1510	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 1511	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 1512	VRS-CZ1JF473JY	RES 0402 47KOHM 5% 1/16W SMD	P	AA
	R 1514	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 1515	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1516	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 1517	VRS-CZ1JF221JY	RES 0402 220 OHM 5% 1/16W SMD	P	AA
	R 1528	VRSCZ1JB4641FT	RES 0402 4K64 OHM 1% 1/16W SMD	P	AA
	R 1532	VRS-CZ1JF273JY	RES 0402 27KOHM 5% 1/16W SMD	P	AA
	R 1535	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 1537	VRS-CZ1JF220JY	RES 0402 22 OHM 5% 1/16W SMD	P	AA
	R 1538	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 1539	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1540	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1541	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 1542	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1543	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1544	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 1545	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1546	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1547	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 1548	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1549	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 1550	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 1551	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 1552	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 1554	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 1555	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 2507	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 2511	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 2604	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 2605	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 2607	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 2614	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 2624	VRS-TW2HPR56JY	RES LCR1/4R15J 0,56 OHM 5% 1/2W SMD	P	AA
	R 2625	VRS-TW2HPR56JY	RES LCR1/4R15J 0,56 OHM 5% 1/2W SMD	P	AA
	R 2626	VRS-CZ1JF104JY	RES 0402 100KOHM 5% 1/16W SMD	P	AA
	R 2627	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 2628	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 2630	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 2637	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 2638	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 2639	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 2647	VRS-CZ1JF471JY	RES 0402 470 OHM 5% 1/16W SMD	P	AA
	R 2648	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 2649	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	R 2659	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 2660	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 2702	VRS-CZ1JF203JY	RES 0402 20KOHM 5% 1/16W SMD	P	AA
	R 2703	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 2704	VRS-CZ1JF222JY	RES 0402 2,2KOHM 5% 1/16W SMD	P	AA
	R 2705	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 2706	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 2707	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 2708	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 2709	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 2710	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 2711	VRS-CZ1JF100JY	RES 0402 10 OHM 5% 1/16W SMD	P	AA
	R 2712	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 2713	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 2714	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 2715	VRS-CZ1JF100JY	RES 0402 10 OHM 5% 1/16W SMD	P	AA
	R 2716	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 2717	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 2718	VRS-CZ1JF332JY	RES 0402 3,3KOHM 5% 1/16W SMD	P	AA
	R 2719	VRS-CZ1JF332JY	RES 0402 3,3KOHM 5% 1/16W SMD	P	AA
	R 2720	VRS-CZ1JF332JY	RES 0402 3,3KOHM 5% 1/16W SMD	P	AA
	R 2721	VRS-CZ1JF332JY	RES 0402 3,3KOHM 5% 1/16W SMD	P	AA
	R 2722	VRS-CZ1JF220JY	RES 0402 22 OHM 5% 1/16W SMD	P	AA
	R 2723	VRS-CZ1JF220JY	RES 0402 22 OHM 5% 1/16W SMD	P	AA
	R 2724	VRS-CZ1JF333JY	RES 0402 33KOHM 5% 1/16W SMD	P	AA
	R 2725	VRS-CZ1JF100JY	RES 0402 10 OHM 5% 1/16W SMD	P	AA
	R 2726	VRS-CZ1JF100JY	RES 0402 10 OHM 5% 1/16W SMD	P	AA
	R 2727	VRS-TQ2EF220JY	RES OX 22 OHM 5% 1/4W SMD	P	AA
	R 2728	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 2729	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 2730	VRS-CZ1JF104JY	RES 0402 100KOHM 5% 1/16W SMD	P	AA
	R 2731	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 2732	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 2733	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 2734	VRS-CZ1JF6R2JY	RES 0402 6,2 OHM 5% 1/16W SMD	P	AA
	R 2735	VRS-CZ1JF6R2JY	RES 0402 6,2 OHM 5% 1/16W SMD	P	AA
	R 2736	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 2737	VRS-CZ1JF6R2JY	RES 0402 6,2 OHM 5% 1/16W SMD	P	AA
	R 2738	VRS-CZ1JF6R2JY	RES 0402 6,2 OHM 5% 1/16W SMD	P	AA
	R 2740	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 2741	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 2742	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 3301	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3302	VRS-CZ1JF683JY	RES 0402 68K OHM 5% 1/16W SMD	P	AA
	R 3303	VRS-CZ1JF912FY	RES 0402 9,1KOHM 1% 1/16W SMD	P	AA
	R 3305	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3306	VRS-CZ1JF100JY	RES 0402 10 OHM 5% 1/16W SMD	P	AA
	R 3307	VRS-CZ1JF510JY	RES 0402 51 OHM 5% 1/16W SMD	P	AA
	R 3308	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 3309	VRS-CZ1JF202JY	RES 0402 2KOHM 5% 1/16W SMD	P	AA
	R 3310	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 3311	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 3313	VRS-CZ1JF100JY	RES 0402 10 OHM 5% 1/16W SMD	P	AA

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	R 3316	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3317	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 3318	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 3320	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3321	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3322	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 3323	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3324	VRS-CZ1JF391FY	RES 0402 390 OHM 1% 1/16W SMD	P	AA
	R 3325	VRS-CZ1JF430FY	RES 0402 43 OHM 1% 1/16W SMD	P	AA
	R 3326	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3327	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3328	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3329	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3330	VRS-CZ1JF101FY	RES 0402 100 OHM 1% 1/16W SMD	P	AA
	R 3331	VRS-CZ1JF101FY	RES 0402 100 OHM 1% 1/16W SMD	P	AA
	R 3332	VRS-CZ1JF101FY	RES 0402 100 OHM 1% 1/16W SMD	P	AA
	R 3333	VRS-CZ1JF101FY	RES 0402 100 OHM 1% 1/16W SMD	P	AA
	R 3334	VRS-CZ1JF620JY	RES 0402 62 OHM 5% 1/16W SMD	P	AA
	R 3336	VRS-CZ1JF151JY	RES 0402 150 OHM 5% 1/16W SMD	P	AA
	R 3337	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3338	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3339	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3340	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 3341	VRS-CZ1JF620JY	RES 0402 62 OHM 5% 1/16W SMD	P	AA
	R 3342	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3343	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3351	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3352	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3355	VRS-CZ1JF302FY	RES 0402 3 KOHM 1% 1/16W SMD	P	AA
	R 3356	VRSCZ1JB2870FT	RES 0402 287 OHM 1% 1/16W SMD	P	AA
	R 3357	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 3358	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 3359	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 3360	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3361	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3362	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3363	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3365	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 3402	VRS-CZ1JF220JY	RES 0402 22 OHM 5% 1/16W SMD	P	AA
	R 3403	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 3404	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 3405	VRSCZ1JB9091FT	RES 0402 9K09 OHM 1% 1/16W SMD	P	AA
	R 3410	VRS-CZ1JF182JY	RES 0402 1,8KOHM 5% 1/16W SMD	P	AA
	R 3411	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 3412	VRS-CZ1JF272JY	RES 0402 2,7KOHM 5% 1/16W SMD	P	AA
	R 3413	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 3414	VRS-TQ2EF101JY	RES OX 100 OHM 5% 1/4W SMD	P	AA
	R 3415	VRSCZ1JB3012FT	RES 0402 30K1 OHM 1% 1/16W SMD	P	AA
	R 3501	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3502	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3503	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3504	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3505	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA

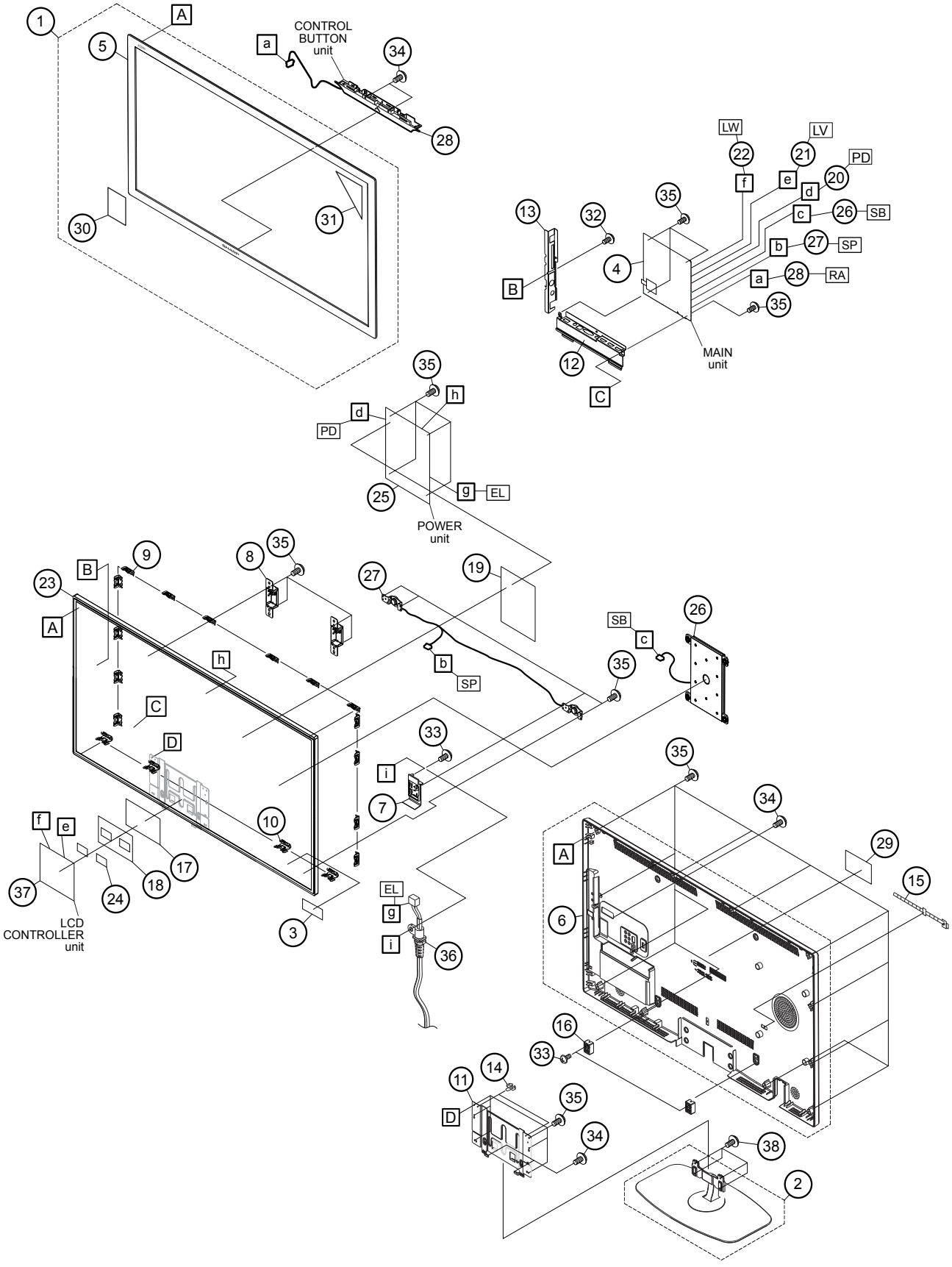
	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	R 3506	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3507	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3508	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3509	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3510	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3511	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3512	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3513	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3514	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3515	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3516	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3517	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3518	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3519	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3520	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3521	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3522	VRS-CZ1JF104FY	RES 0402 100KOHM 1% 1/16W SMD	P	AA
	R 3523	VRS-CZ1JF104FY	RES 0402 100KOHM 1% 1/16W SMD	P	AA
	R 3524	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 3525	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 3526	VRS-CZ1JF101FY	RES 0402 100 OHM 1% 1/16W SMD	P	AA
	R 3527	VRS-CZ1JF101FY	RES 0402 100 OHM 1% 1/16W SMD	P	AA
	R 3528	VRS-CZ1JF241FY	RES 0402 240 OHM 1% 1/16W SMD	P	AA
	R 3529	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3530	VRS-CZ1JF101FY	RES 0402 100 OHM 1% 1/16W SMD	P	AA
	R 3531	VRS-CZ1JF101FY	RES 0402 100 OHM 1% 1/16W SMD	P	AA
	R 3532	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3533	VRS-CZ1JF241FY	RES 0402 240 OHM 1% 1/16W SMD	P	AA
	R 3534	VRS-CZ1JF560JY	RES 0402 56 OHM 5% 1/16W SMD	P	AA
	R 3601	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 3602	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 3606	VRS-CZ1JF101FY	RES 0402 100 OHM 1% 1/16W SMD	P	AA
	R 3708	VRS-CZ1JF102FY	RES 0402 1KOHM 1% 1/16W SMD	P	AA
	R 3710	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3711	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3712	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3713	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3714	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3715	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3716	VRS-CZ1JF471JY	RES 0402 470 OHM 5% 1/16W SMD	P	AA
	R 3717	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3718	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3719	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3720	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3723	VRS-CZ1JF471JY	RES 0402 470 OHM 5% 1/16W SMD	P	AA
	R 3724	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 3725	VRS-CZ1JF471JY	RES 0402 470 OHM 5% 1/16W SMD	P	AA
	R 3728	VRS-CZ1JF471JY	RES 0402 470 OHM 5% 1/16W SMD	P	AA
	R 3729	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 3731	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3732	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 3744	VRS-CZ1JF302FY	RES 0402 3 KOHM 1% 1/16W SMD	P	AA
	R 3747	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 3751	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 3752	VRS-CZ1JF620FY	RES 0402 62 OHM 1% 1/16W SMD	P	AA
	R 3753	VRS-CZ1JF151FY	RES 0402 150 OHM 1% 1/16W SMD	P	AA

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	R 3755	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 4402	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 4403	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 4404	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 4408	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 4411	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 4412	VRS-CZ1JF220JY	RES 0402 22 OHM 5% 1/16W SMD	P	AA
	R 4413	VRK-SB1FF220JY	RES 22 OHM 5% 1/32W SMD	P	AB
	R 4414	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 4415	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 4416	VRK-SA1JF220JY	RES 22 OHM 5% 1/16W SMD	P	AB
	R 4417	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 4418	VRK-SB1FF220JY	RES 22 OHM 5% 1/32W SMD	P	AB
	R 4419	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 4420	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 4421	VRK-SA1JF220JY	RES 22 OHM 5% 1/16W SMD	P	AB
	R 4422	VRK-SB1FF220JY	RES 22 OHM 5% 1/32W SMD	P	AB
	R 4424	VRK-SA1JF220JY	RES 22 OHM 5% 1/16W SMD	P	AB
	R 4425	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 4426	VRS-CZ1JF220JY	RES 0402 22 OHM 5% 1/16W SMD	P	AA
	R 4427	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 4429	VRS-CZ1JF100JY	RES 0402 10 OHM 5% 1/16W SMD	P	AA
	R 4432	VRS-CZ1JF220JY	RES 0402 22 OHM 5% 1/16W SMD	P	AA
	R 4433	VRK-SA1JF220JY	RES 22 OHM 5% 1/16W SMD	P	AB
	R 4434	VRK-SB1FF220JY	RES 22 OHM 5% 1/32W SMD	P	AB
	R 4435	VRK-SB1FF220JY	RES 22 OHM 5% 1/32W SMD	P	AB
	R 4436	VRS-CZ1JF220JY	RES 0402 22 OHM 5% 1/16W SMD	P	AA
	R 4437	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 4438	VRK-SB1FF220JY	RES 22 OHM 5% 1/32W SMD	P	AB
	R 4439	VRK-SB1FF220JY	RES 22 OHM 5% 1/32W SMD	P	AB
	R 4440	VRK-SA1JF220JY	RES 22 OHM 5% 1/16W SMD	P	AB
	R 4442	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 4443	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 4444	VRK-SA1JF220JY	RES 22 OHM 5% 1/16W SMD	P	AB
	R 4445	VRK-SB1FF220JY	RES 22 OHM 5% 1/32W SMD	P	AB
	R 4446	VRK-SB1FF220JY	RES 22 OHM 5% 1/32W SMD	P	AB
	R 4449	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 8401	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 8404	VRK-SB1FF330JY	RES 33 OHM 5% 1/32W SMD	P	AA
	R 8409	VRK-SB1FF330JY	RES 33 OHM 5% 1/32W SMD	P	AA
	R 8410	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 8411	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 8412	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 8413	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 8414	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 8415	VRS-CY1JF000JY	RES 0603 0 OHM 5% 1/10W SMD	P	AA
	R 8416	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9501	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9503	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 9504	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9505	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 9506	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 9507	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9508	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9509	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9510	VRS-CZ1JF510JY	RES 0402 51 OHM 5% 1/16W SMD	P	AA

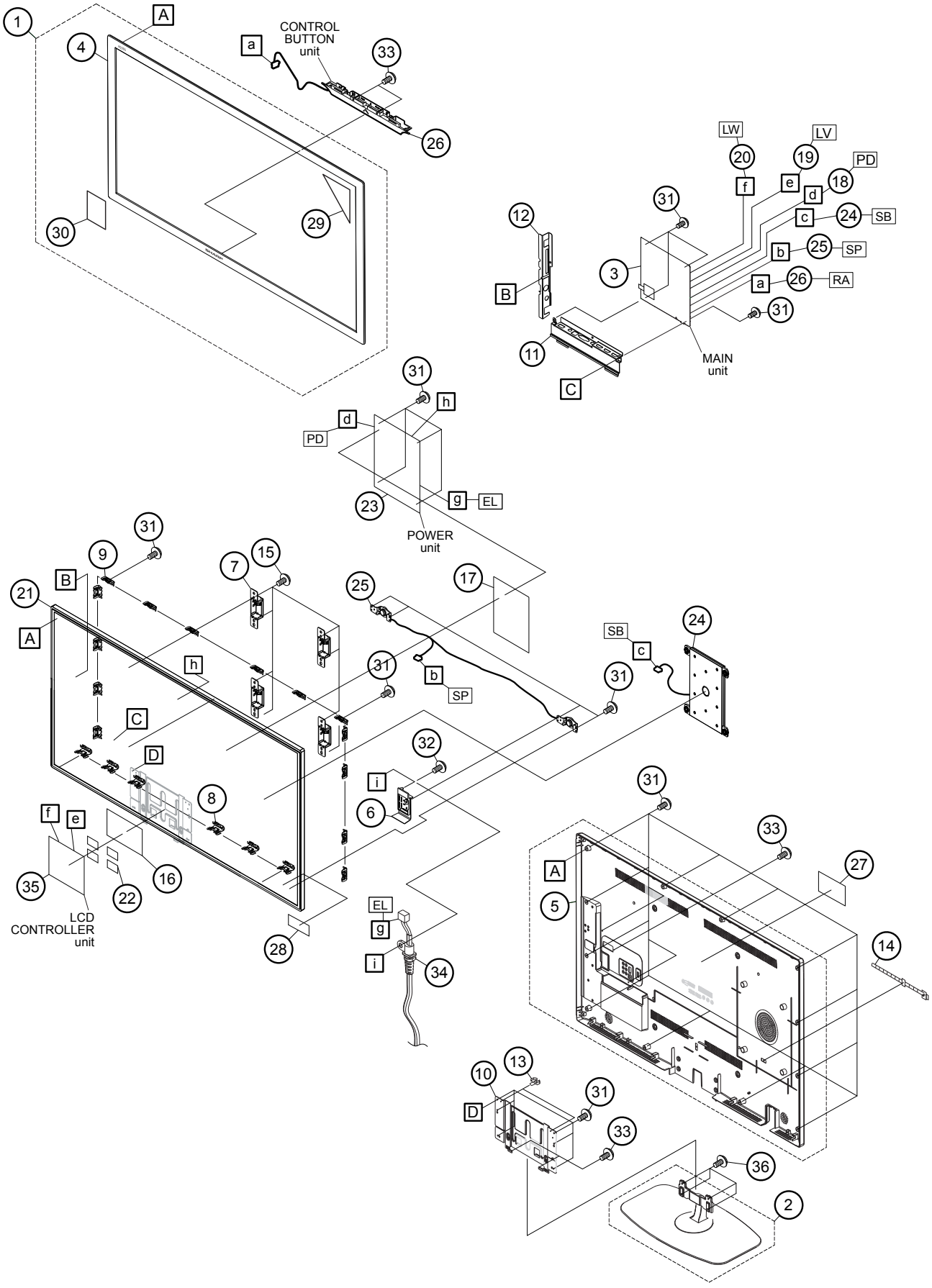
	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	R 9511	VRS-CZ1JF510JY	RES 0402 51 OHM 5% 1/16W SMD	P	AA
	R 9512	VRS-CZ1JF510JY	RES 0402 51 OHM 5% 1/16W SMD	P	AA
	R 9513	VRS-CZ1JF510JY	RES 0402 51 OHM 5% 1/16W SMD	P	AA
	R 9514	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 9515	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 9516	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 9517	VRS-CZ1JF750JY	RES 0402 75 OHM 5% 1/16W SMD	P	AA
	R 9519	VRS-CZ1JF622FY	RES 0402 6,2KOHM 1% 1/16W SMD	P	AA
	R 9520	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9522	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9523	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9524	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9525	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9526	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9527	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9529	VRK-SB1FF330JY	RES 33 OHM 5% 1/32W SMD	P	AA
	R 9530	VRK-SB1FF330JY	RES 33 OHM 5% 1/32W SMD	P	AA
	R 9532	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9533	VRS-CZ1JF330JY	RES 0402 33 OHM 5% 1/16W SMD	P	AA
	R 9534	VRS-CZ1JF395JY	RES 0402 3,9MOHM 5% 1/16W SMD	P	AA
	R 9551	VRS-TW2HF121JY	RES CR1-4 120 OHM 5% 1/2W SMD	P	AA
	R 9552	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9554	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9555	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9556	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9557	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9558	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9559	VRS-CZ1JF123FY	RES 0402 12KOHM 1% 1/16W SMD	P	AA
	R 9560	VRS-CZ1JF105JY	RES 0402 1MOHM 5% 1/16W SMD	P	AA
	R 9561	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9562	VRS-CZ1JF103FY	RES 0402 10KOHM 1% 1/16W SMD	P	AA
	R 9563	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9564	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9566	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9567	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9568	VRS-CZ1JF103FY	RES 0402 10KOHM 1% 1/16W SMD	P	AA
	R 9569	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9570	VRS-CZ1JF104JY	RES 0402 100KOHM 5% 1/16W SMD	P	AA
	R 9571	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9573	VRS-CZ1JF104JY	RES 0402 100KOHM 5% 1/16W SMD	P	AA
	R 9607	VRS-CZ1JF220JY	RES 0402 22 OHM 5% 1/16W SMD	P	AA
	R 9608	VRS-CZ1JF472JY	RES 0402 4,7KOHM 5% 1/16W SMD	P	AA
	R 9609	VRS-CZ1JF331JY	RES 0402 330 OHM 5% 1/16W SMD	P	AA
	R 9610	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9611	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9612	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9613	VRS-CZ1JF102FY	RES 0402 1KOHM 1% 1/16W SMD	P	AA
	R 9615	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9616	VRS-CZ1JF332FY	RES 0402 3,3KOHM 1% 1/16W SMD	P	AA
	R 9617	VRS-CZ1JF242JY	RES 0402 2,4KOHM 5% 1/16W SMD	P	AA
	R 9618	VRS-CZ1JF153FY	RES 0402 15KOHM 1% 1/16W SMD	P	AA
	R 9619	VRS-CZ1JF220JY	RES 0402 22 OHM 5% 1/16W SMD	P	AA
	R 9620	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9621	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9622	VRS-CZ1JF183FY	RES 0402 18KOHM 1% 1/16W SMD	P	AA
	R 9623	VRS-CZ1JF393FY	RES 0402 39KOHM 1% 1/16W SMD	P	AA

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	R 9624	VRS-CZ1JF561JY	RES 0402 560 OHM 5% 1/16W SMD	P	AA
	R 9625	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 9627	VRS-CZ1JF132FY	RES 0402 1,3KOHM 1% 1/16W SMD	P	AA
	R 9628	VRS-CZ1JF102FY	RES 0402 1KOHM 1% 1/16W SMD	P	AA
	R 9629	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9630	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9631	VRS-CZ1JF104JY	RES 0402 100KOHM 5% 1/16W SMD	P	AA
	R 9632	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9633	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9634	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9635	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9636	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9637	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9638	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9639	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9640	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9643	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9644	VRS-CZ1JF471JY	RES 0402 470 OHM 5% 1/16W SMD	P	AA
	R 9645	VRS-CZ1JF471JY	RES 0402 470 OHM 5% 1/16W SMD	P	AA
	R 9646	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 9647	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 9649	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
	R 9650	VRS-CZ1JF102JY	RES 0402 1KOHM 5% 1/16W SMD	P	AA
	R 9652	VRS-CZ1JF182FY	RES 0402 1,8KOHM 1% 1/16W SMD	P	AA
	R 9653	VRS-CZ1JF102FY	RES 0402 1KOHM 1% 1/16W SMD	P	AA
	R 9657	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9660	VRS-CZ1JF223JY	RES 0402 22KOHM 5% 1/16W SMD	P	AA
	R 9661	VRS-CZ1JF682JY	RES 0402 6,8KOHM 5% 1/16W SMD	P	AA
	R 9701	VRS-CZ1JF000JY	RES 0402 0 OHM 5% 1/16W SMD	P	AA
	R 9702	VRS-CZ1JF181JY	RES 0402 180 OHM 5% 1/16W SMD	P	AA
	R 9703	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9704	VRS-CZ1JF332FY	RES 0402 3,3KOHM 1% 1/16W SMD	P	AA
	R 9705	VRS-CZ1JF392JY	RES 0402 3,9KOHM 5% 1/16W SMD	P	AA
	R 9706	VRS-CZ1JF153FY	RES 0402 15KOHM 1% 1/16W SMD	P	AA
	R 9707	VRS-CZ1JF103JY	RES 0402 10KOHM 5% 1/16W SMD	P	AA
	R 9708	VRS-CZ1JF620FY	RES 0402 62 OHM 1% 1/16W SMD	P	AA
	R 9709	VRS-CZ1JF101JY	RES 0402 100 OHM 5% 1/16W SMD	P	AA
			TRANSFORMER		
	T 9501	RTRNZA129WJQZY	TRANSFORMER TLA-6T214ALF(-T)	P	AG
			MISCELLANEOUS		
	J 0502	QJAKEA073WJZZ	JACK LGY6502-0800F	P	AD
	J 0551	QJAKJA024WJZZ	HEADPHONE CKX-035-347DBZ	P	AB
	J 0552	QJAKLA037WJQZ	JACK RCA-639HA-00A-09	P	AE
	J 2701	QJAKJ0101SEZZ	JACK MINIATURE PHONE MORNING STAR	P	AB
	J 9501	QJAKZA105WJQZQ	JACK GCR15-N3-080A100 TRAY	P	AF
	J 9551	QSOCZA276WJQZ	SOCKET USB DOUBLE UAR64	P	AE
	J 9552	QSOCZA205WJQZ	SOCKET UAR27-4K5C0L	P	AC
	P 2701	QPLGNA160WJZZY	CONECTOR SM04B-PASS-TBT(LF)	P	AD
	P 2702	QPLGNA158WJZZY	CONECTOR SM02B-PASS-TBT (LF)(SN)	P	AC
	P 3401	QPLGNB077WJZZY	CONECTOR A1251WRO-8PS-5E JWT	P	AC
	P 9601	QPLGN0186FJZZY	CONECTOR S14B-PH-SM4-TB	P	AE
	SC 0501	QSOCNA229WJZZ	CONECTOR DHR20-151F200/H-DBR10-A0020D	P	AE
	SC 0552	QSOCZA161WJZZ	SCART RGB-11H	P	AE
	SC 1501	QSOCZA175WJZZY	CONECTOR HDMI A111924-A-15-R	P	AE
	SC 1502	QSOCZA264WJQZY	CONNECTOR HDMI CSS5019-0731E	P	AH
	SC 1503	QSOCZA264WJQZY	CONNECTOR HDMI CSS5019-0731E	P	AH
	SC 1504	QSOCZA264WJQZY	CONNECTOR HDMI CSS5019-0731E	P	AH
	SC 2601	QCNCWA995WJZZY	CONECTOR LVDS 51 PINS P-TWO 187059-51221	P	AF
	SC 2603	QCNCWB015WJZZY	cONECTOR LVDS 41 PINS P-TWO 187060-41221	P	AE
	SC 4401	QCNCMA340WJSA	C.I.CARD SLOT ICMG68H-DS111NF(LF)(SN)JST	P	AK

CABINET AND MECHANICAL PARTS 40”



CABINET AND MECHANICAL PARTS 46”



40" CABINET AND MECHANICAL PART LISTING

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	1	CCABAC762WJ01	KS-CAB-A LC40LE63*E/730E	P	BA
	2	CDAI-A804WJ01	KS-STAND LC40LE730E	P	BE
	3	TLABZC453WJZZ	PANEL LABEL	P	AA
	4	DUNTKF915FM11/14	ADJUST MAIN UNIT LE732 / LG TUNER	P	CC
	5	GCABAC762WJ1A	FRONT CABINET	P	--
	6	GCABBC083WJ1A	REAR CABINET 40LE730LG	P	BF
	7	GCOVAE259WJ1A	AC HOLDER BRACKET POWER SWITCH	P	--
	8	LANGKD343WJFW	VESA BRACKET	P	AK
	9	LANGKD368WJFW	PANEL BRACKET HOLDER (TOP AND SIDE)	P	BB
	10	LANGKD369WJFW	PANEL BRACKET HOLDER BOTTOM	P	BC
	11	LANGKD370WJFW	STAND BRACKET	P	BG
	12	LANGKD378WJFW	TERMINAL COVER BOTTOM	P	AH
	13	LANGKD555WJFW	CONNECTORS BRACKET 40LE732	P	AH
	14	LHLDWA048WJKZ	WIRE HOLDER	P	AA
	15	LHLDWA303WJKA	WIRE HOLDER	P	AC
	16	LHLDZA929WJZZ	HOLDER	P	AE
	17	PZETKA640WJZZ	INSULATION SHEET FOR CONTROLLER PWB	P	AG
	18	PZETKA641WJZZ	INSULATION SHEET FOR PANEL	P	AF
	19	PZETKA645WJKZ	INSULATION SHEET POWER	P	AM
	20	QCNW-M004WJQZ	CABLE (PD)	P	AK
	21	310431115371	FFC LVDS 51PINS	P	AS
	22	310431114481	FFC LVDS 41PINS	P	AS
	23	R1LK400D3LB43A	40" LCD MODULE LK400D3LB43A	P	DD
	24	RCORFA061WJZZ	FERRITE CORE/CS-FPC E04FG460812-T	P	AE
⚠	25	RDENCA440WJQZ	POWER WITH LED DRIVER 40" LE730	P	BN
	26	RSP-ZA594WJZZ	SPEAKER 6 OHm 12W FULL RANGE TOA /K-Tech	P	BA
	27	RSP-ZA595WJZZ	SPEAKER 2x4 OHM 5W TWEETER TOA / K-TECH	P	AU
	28	RUNTKA880WJPA2	CONTROL BUTTON UNIT LE730E BLACK	P	BC
	29	TLABNC117WJZZ	ETIQUETA MODELO 3M 7291 ADHESIVO AP-360	P	AA
	30	TLABZC949WJZZ	CE ENERGY LABEL	P	AH
	31	TLABZD050WJZZ	POP LABEL	P	--
	32	XBPS730P06000	SCREW PAN ST ZN M3x6	P	AA
	33	XEPS730P08WS0	SCREW PAN ST ZN 3x8	P	AA
	34	XEPS730P12WS0	SCREW PAN ST ZN 3x12	P	AA
	35	XBPS730P06WS0	SCREW PAN ST ZN M3x6	P	AA
	36	QACCKA058WJPZ	AC CORD LE730	P	AQ
	37	RUNTKA4593TPYA	LCD CONTROLET UNIT	P	BP
	38	LX-BZA429WJF8	STAND SCREW M4x10 BK	P	--

46" CABINET AND MECHANICAL PART LISTING

	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
	1	CCABAC769WJ01	KS-CAB-A LC46LE63*E	P	BD
	2	CDAI-A805WJ01	KS-STAND LC46LE730E	P	BE
	3	DUNTKF915FM11/14	ADJUST MAIN UNIT LE732 / LG TUNER	P	CC
	4	GCABAC769WJ1A	FRONT CABINET	P	BD
	5	GCABBC084WJ1A	REAR CABINET 46LE730LG	P	B H
	6	GCOVAE259WJ1A	AC HOLDER BRACKET POWER SWITCH	P	--
	7	LANGKD343WJFW	VESA BRACKET	P	AK
	8	LANGKD369WJFW	PANEL BRACKET HOLDER BOTTOM	P	BC
	9	LANGKD373WJFW	PANEL BRACKET HOLDER TOP	P	--
	10	LANGKD375WJFW	STAND BRACKET	P	--
	11	LANGKD378WJFW	TERMINAL COVER BOTTOM	P	AH
	12	LANGKD557WJFW	CONNECTORS BRACKET 46LE732	P	AH
	13	LHLDWA048WJKZ	WIRE HOLDER	P	AA
	14	LHLDWA303WJKA	WIRE HOLDER	P	AC
	15	LX-BZA425WJF7	SCREW WASHER M4x 8 mm. (Silver)	P	AA
	16	PZETKA640WJZZ	INSULATION SHEET FOR CONTROLLER PWB	P	AG
	17	PZETKA645WJKZ	INSULATION SHEET POWER	P	AM
	18	QCNW-M004WJQZ	CABLE (PD)	P	AK
	19	310431115371	FFC LVDS 51PINS	P	AS
	20	310431114481	FFC LVDS 41PINS	P	AS
	21	R1LK460D3LB33G	46" LCD MODULE LK460D3LB33G	P	DM
	22	RCORFA061WJZZ	FERRITE CORE/CS-FPC E04FG460812-T	P	AE
⚠	23	RDENCA440WJQZ	POWER WITH LED DRIVER 40" LE730	P	BN
	24	RSP-ZA594WJZZ	SPEAKER 6 OHm 12W FULL RANGE TOA /K-Tech	P	BA
	25	RSP-ZA595WJZZ	SPEAKER 2x4 OHM 5W TWEETER TOA / K-TECH	P	AU
	26	RUNTKA880WJPA2	CONTROL BUTTON UNIT LE730E BLACK	P	BC
	27	TLABNC117WJZZ	ETIQUETA MODELO 3M 7291 ADHESIVO AP-360	P	AA
	28	TLABZC453WJZZ	PANEL LABEL	P	AA
	29	TLABZD050WJZZ	POP LABEL	P	--
	30	TLABZD041WJZZ	CE ENERGY LABEL	P	AH
	31	XBPS730P06WS0	SCREW PAN ST ZN M3x6	P	AA
	32	XEPS730P08WS0	SCREW PAN ST ZN 3x8	P	AA
	33	XEPS730P12WS0	SCREW PAN ST ZN 3x12	P	AA
	34	QACCKA058WJPZ	AC CORD LE730	P	AQ
	35	RUNTK4593TPYB	LCD CONTROLER UNIT	P	BP
	36	LX-BZA429WJF8	STAND SCREW M4x10 BK	P	--

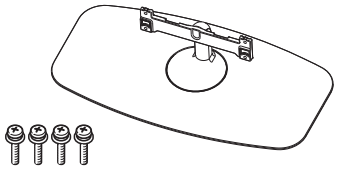
Supplied accessories

Remote control unit (×1)

- "AAA" size battery (×2)

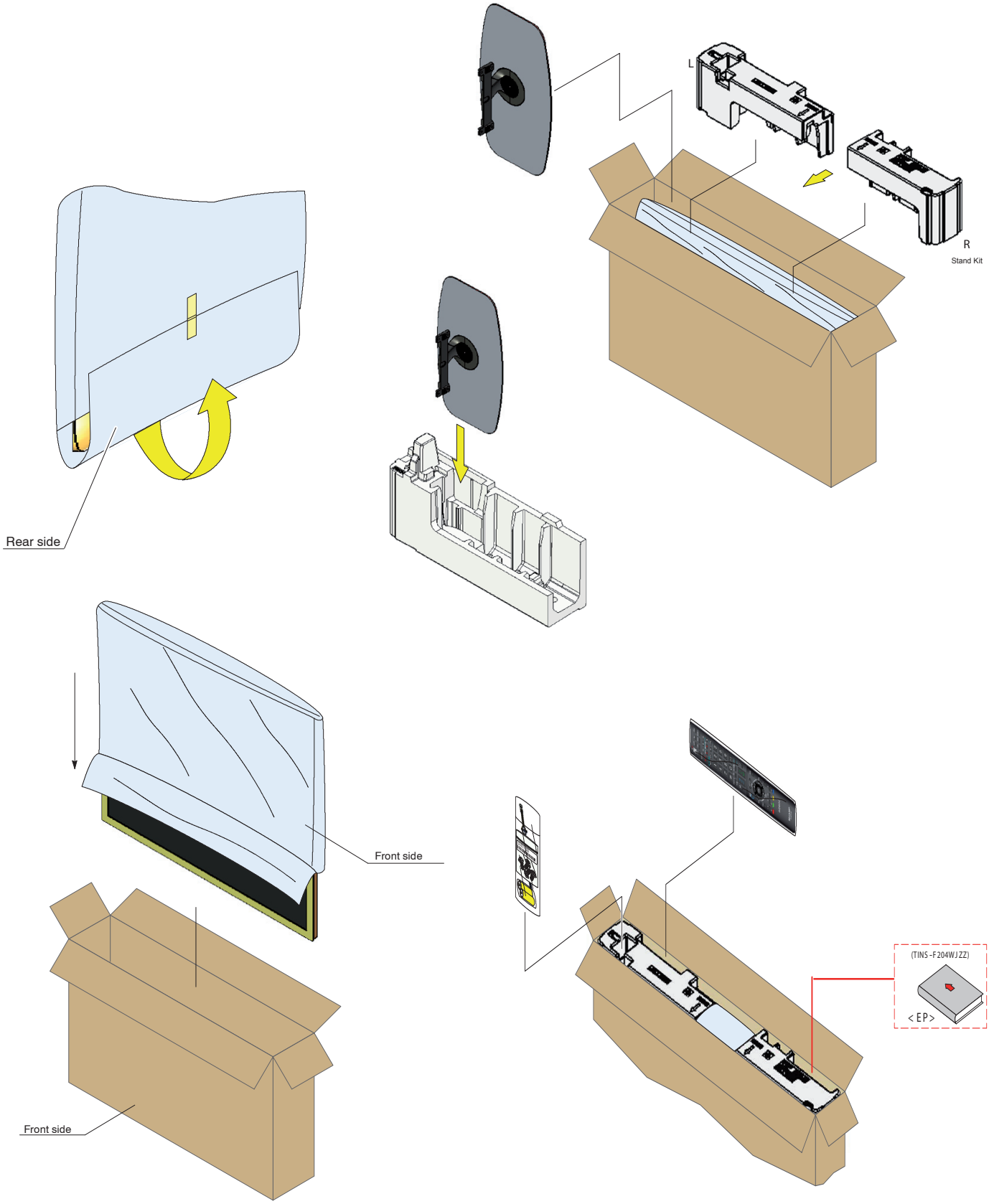
- Operation manual (This publication)
- Cable tie (x1)

- Stand unit (x1)

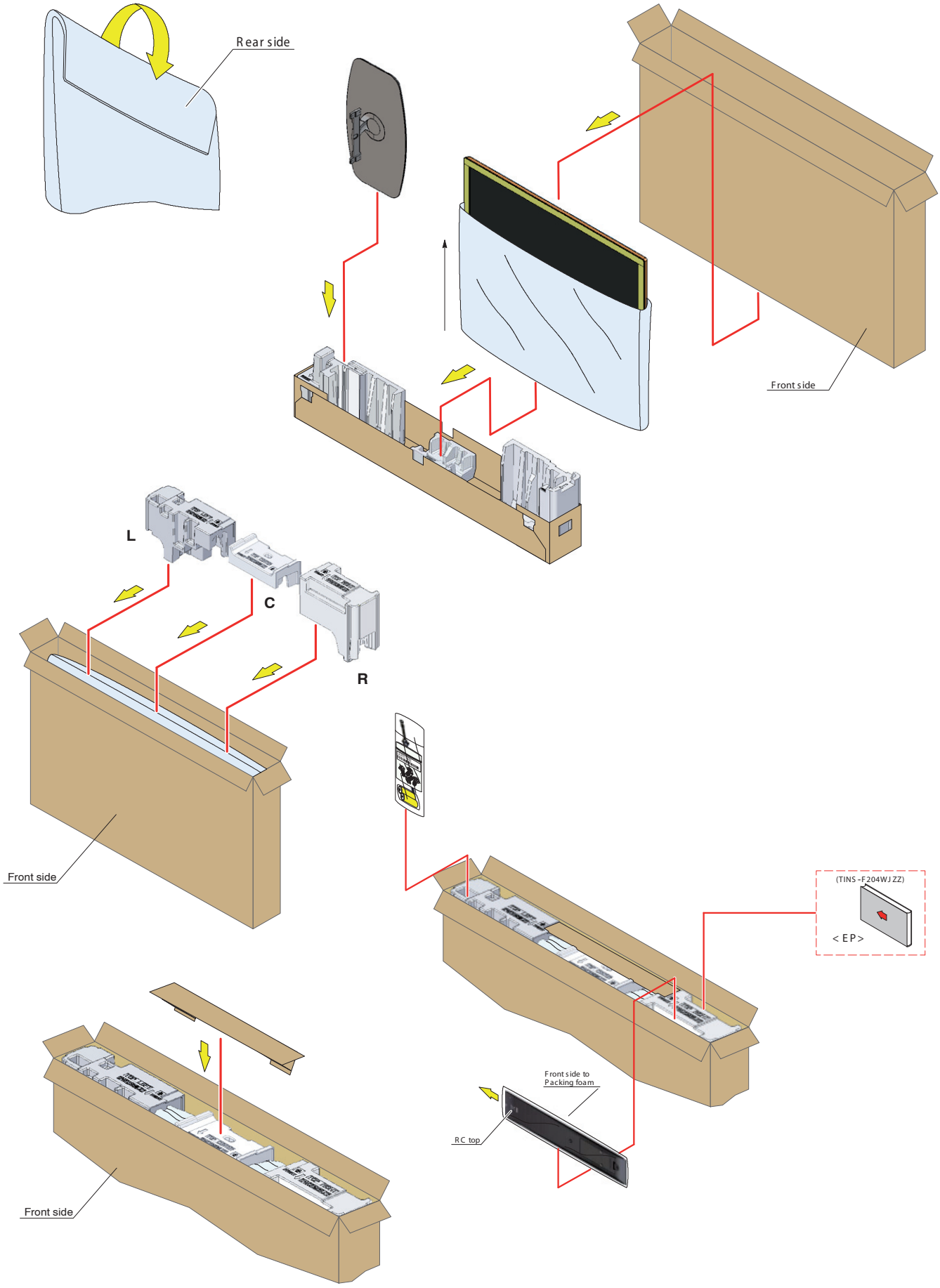


ACCESSORIES PARTS LISTING					
	REF No.	PARTS	DESCRIPTION	*	PRICE CODE
		TINS-F204WJZZ	OWNERS MANUAL LE730E	P	AD
		UBATUA024WJZZ	BATTERY R03NWC/2SKD x2	P	--
		RRMCGA983WJSA	REMOTE CONTROL LE730E	P	AX
		LHLDWA303WJKA	WIRE HOLDER	P	AC
40" PACKING PARTS LISTING					
		SPAKCG414WJZZ	PACKING CASE LC40LE730E	P	AT
		SPAKPB475WJZZ	PE BAG 40"	P	AE
		SPAKXD432WJZZ	PACKING FOAM TOP 40"	P	AL.
		SPAKXD506WJZZ	PACKING FOAM BOTTOM 40"	P	AN
46" PACKING PARTS LISTING					
		SPAKCG517WJZZ	PACKING CASE LC46LE730E	P	AW
		SPAKCG518WJZZ	BOTTOM CASE LC46LE730E	P	AL.
		SPAKFC164WJZZ	CARDBOARD MIDDLE 46LE730EE	P	AD
		SPAKPB477WJZZ	P_BAG / HOSSO-PP FOR 46	P	AF
		SPAKXD503WJZZ	PACKING FOAM TOP 46"	P	AQ
		SPAKXD504WJZZ	PACKING FOAM BOTTOM 46"	P	AP

PACKING OF THE SET 40”



PACKING OF THE SET 46”



SHARP®

SHARP CORPORATION
AV System Group

SHARP ELECTRONICA ESPAÑA S.A.
Service Manual Group
Engineering Dept.
WTC Almeda Park
Pl. de la Pau, s/n (Ed.6-PB)
08940 Cornella de Llobregat
Barcelona
Spain